R-1276-1-ARPA October 1975

# A New (Revised) Tabulation of the Scripps Topography on a 1° Global Grid. Part I: Terrain Heights

W. L. Gates and A. B. Nelson

A Report prepared for

DEFENSE ADVANCED RESEARCH PROJECTS AGENCY



The research described in this Report was sponsored by the Defense Advanced Research Projects Agency under contract No. DAHC15-73-C-0181. Reports of The Rand Corporation do not necessarily reflect the opinions or policies of the sponsors of Rand research.

R-1276-1-ARPA October 1975

# A New (Revised) Tabulation of the Scripps Topography on a 1° Global Grid. Part I: Terrain Heights

W. L. Gates and A. B. Nelson

A Report prepared for

DEFENSE ADVANCED RESEARCH PROJECTS AGENCY



# PRÉFACE

This report is a revision of the earlier tabulation of global terrain heights issued as R-1276-ARPA in November 1973, and corrects systematic errors which were present in the tabulations poleward of 50°. Figures 1 through 5, associated with the tabulation's statistical summary, have also been recomputed. The related tabulation of ocean depths is given in R-1277-1-ARPA.

We would like to thank L. J. Lewis of the Geophysical Fluid Dynamics
Laboratory, NOAA, for calling our attention to the previous tabulation's errors, and
L. D. Bregman for his review of the newly tabulated data.

			•	

# **SUMMARY**

The world-wide terrain height data prepared at the Scripps Institution of Oceanography have been newly revised, and are herewith retabulated on a 1° grid. The revisions to the original Scripps data include the insertion of the elevation of the surface of lakes, the negative elevation of land areas lying below sea level, and the elevation of several heretofore omitted islands. A number of changes of land elevation near coasts have also been made, including some apparent errors in the original data. The new tabulations are summarized in the form of a global analysis, histograms, and zonal averages.

# **CONTENTS**

PREFA	ACE	iii
SUMM	IARY	v
Section	INTRODUCTION	1
	DATA PROCESSING AND REVISION	
	STATISTICAL SUMMARY	
IV.	TOPOGRAPHY TABULATION (TERRAIN HEIGHTS)	11
REFE	RENCES	132

.

### I. INTRODUCTION

In numerical simulations of atmospheric flow the terrain height is often needed as an input boundary condition. For small-scale problems, detailed local topographic information is usually available; in the case of large-scale problems, however, such as global circulation studies, the terrain height on an appropriate world-wide grid has been less readily available. Recognizing this need a number of years ago, Berkofsky and Bertoni (1955) published a tabulation of the topographic heights averaged over 5° latitude-longitude areas for the entire earth. These data were themselves obtained by averaging the values at 1° intervals, found by visual inspection of aeronautical charts. Because they are used in many applications, these data are often interpolated onto other grids, with a consequent degradation of both accuracy and detail.

The need for a more detailed topographic data source was also recognized by Smith, Menard, and Sharman (1966), who have presented topographic data over most of the globe at 1° intervals. Although these data undoubtedly constitute the best source of large-scale continental elevations available, they are in a format which does not readily lend itself to many applications. It is the purpose of this report to present these Scripps data in a new and extended tabulation for the entire globe at 1° intervals, in the hope that it will prove a more convenient source for further use. A companion tabulation of the Scripps ocean depth data may be found in R-1277-1-ARPA (Gates and Nelson, 1975).

### II. DATA PROCESSING AND REVISION

Details of the data sources and estimation methods used in the original Scripps tabulation are given by Smith, Menard, and Sharman (1966). In order to produce a uniform listing on a 1° global grid, it was necessary to interpolate these data with respect to longitude in the higher latitudes. In the Scripps tabulation, the continental elevations are given to the nearest 100 m every 2° of longitude at latitudes 50° through 69°, every 5° longitude at latitudes 70° through 79°, and every 10° of longitude at latitudes 80° through 89°. The missing data for each degree of longitude between latitudes 50° and the poles were obtained by a linear east-west interpolation of the given Scripps data. In the previous Rand tabulation (R-1276-ARPA, Gates and Nelson, 1973), these data were inadvertently assigned to the westernmost 1° longitude interval of the original 2°, 5° and 10° longitude tabulations poleward of 50° latitude. The subsequent longitudinal interpolations to 1° intervals were therefore erroneous, and have been corrected in the present report.

This fully interpolated data set was then reviewed for consistency of coastal outlines, and a number of changes were made, particularly in the Pacific and Arctic regions. These revisions consisted (with only one exception) of the assignment as land areas of several dozen 1° squares previously identified as ocean. The tabulations were next revised by the insertion of the elevation of the surface of those lakes resolved by the grid, replacing the lake bottom elevations contained in the original listing. These data were determined from world maps on a scale of 1:11,000,000 prepared by the U.S. Army Topographic Command and Naval Oceanographic office (1971). These lake surface data are denoted by the subscript L in the tabulation, and represent the Aral Sea, the lakes Baikal and Balkhash, the Caspian Sea, and the lakes Chad, Erie, Eyre, Great Bear, Great Slave, Huron, Lodoga, Michigan, Nyasa, Onega, Ontario, Reindeer, Superior, Tanganyika, Victoria, and Winnipeg.

The tabulations were next revised by the inclusion of a number of islands omitted in the original Scripps listings (in addition to the occasional revision of the boundaries of listed islands as noted above). Newly tabulated are the islands of Hawaii, Kodiak, Komsomolets, New Caledonia, Nordaustlandet, Papua, and West Falkland. A final revision of the data resulted from a review of the tabulated terrain heights to detect gross errors and inconsistencies. A number of such corrections were necessary at scattered points, where the elevations were evidently originally tabulated in meters rather than decameters. A record of these and all other changes to the original Scripps tabulation is available for reference.

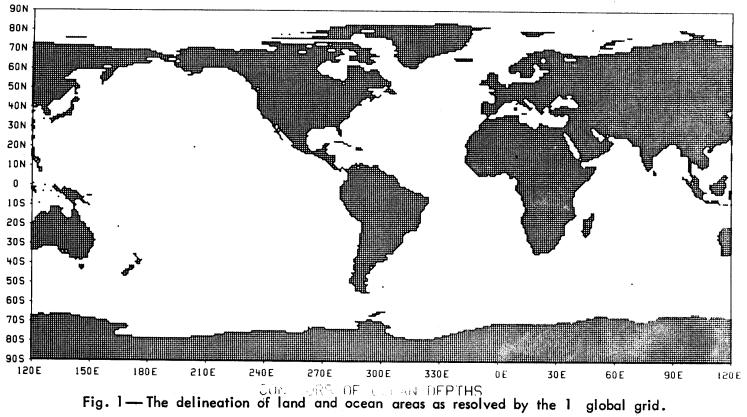
## III. STATISTICAL SUMMARY

In addition to the tabulations themselves, it is of interest to give a few overall characteristics of the global topography. In Fig. 1 we show the continental outlines as resolved by the 1° grid. Figure 2 illustrates an analysis of the terrain height data, which serves to identify the major topographic features of the world.

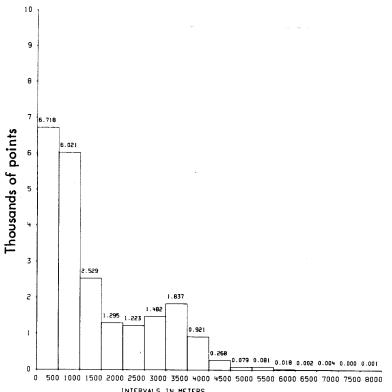
In Fig. 3a the tabulated data are shown in the form of a histogram at 500-m intervals. We note in particular that more than half of the 22,537 tabulated elevations (on a 1° grid) are below 1000 m, and that there is a secondary maximum of terrain height frequency between 3000 and 3500 m. This histogram, however, overemphasizes the terrain heights in higher latitudes by treating all tabulated data equally. The histogram of actual surface area occupied by land in 500-m elevation intervals is shown in Fig. 3b. This distribution was found by weighting the data in Fig. 3a by the areas appropriate to each land point.

In Fig. 4a the tabulated data are shown in terms of zonal averages, wherein the maximum height near 35°N is produced by both the Rockies and the Himalayas. This figure, however, also overemphasizes the higher-latitude terrain heights by treating all 1° data equally. The corresponding zonal averages found by weighting the data of Fig. 4a by the cosine of latitude are shown in Fig. 4b; here a greater degree of latitudinal symmetry is evident. These data give an area-weighted mean terrain height of 678 m in the northern hemisphere and 658 m in the southern hemisphere, with a global mean of 668 m. The tabulated data have also been converted into the fraction representing land in Fig. 5a, and in terms of the actual land area per degree of latitude in Fig. 5b.

Although we have not systematically compared the tabulated Scripps topographic data with other data sources, we have noted a number of apparent omissions and discrepancies. For example, the low-lying land at the northern end of the Caspian Sea was originally listed as above sea level, the height given for Punta Eugenia in Baja California was excessive, and the island of Hawaii was not represented. These and other errors were corrected by the insertion of the surface elevations of all lakes resolved by the grid and by review of all coastal and island regions. The tabulations were also visually checked for local terrain height errors. No revisions were made at locations covered by permanent ice (as in Greenland and Antarctica); here the ice is treated as though it were land and its surface elevation is tabulated.



The grid itself is shown by dots over the land areas.



3. 3a—Histogram of terrain heights as tabulated on the 1° grid treating all 22,537 points equally. Those points below sealevel are here included in the 0—500-m category.

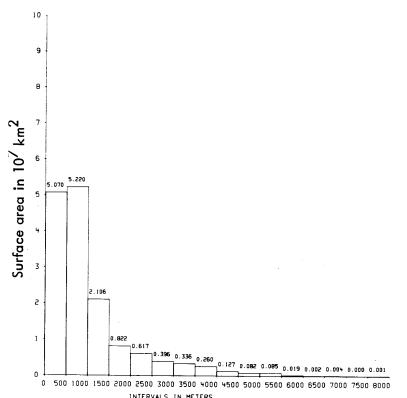


Fig. 3b—Histogram of surface area represented by the land in 500-m height intervals.

NUE NOB NOL NO9 50N 20N 30N 40N NO! 905 805 705 605 505 405 305 205 105

Fig. 4a — Meridional variation of the zonal average terrain height as tabulated on the  $1^{
m o}$  grid. Each land point is treated equally (as in Fig. 3a), with ocean points disregarded.

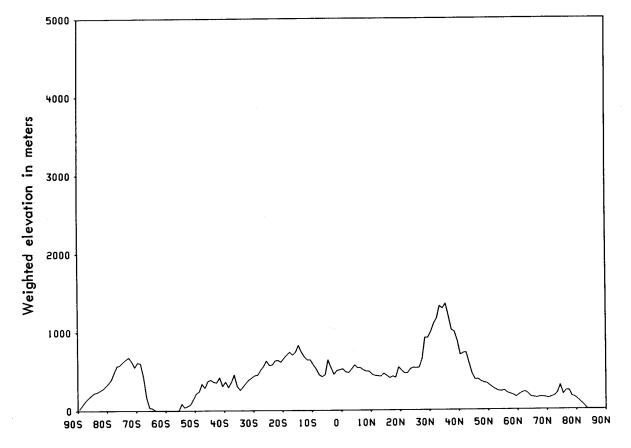


Fig. 4b—Meridional variation of the zonal average terrain height multiplied by the cosine of latitude, with ocean points disregarded.

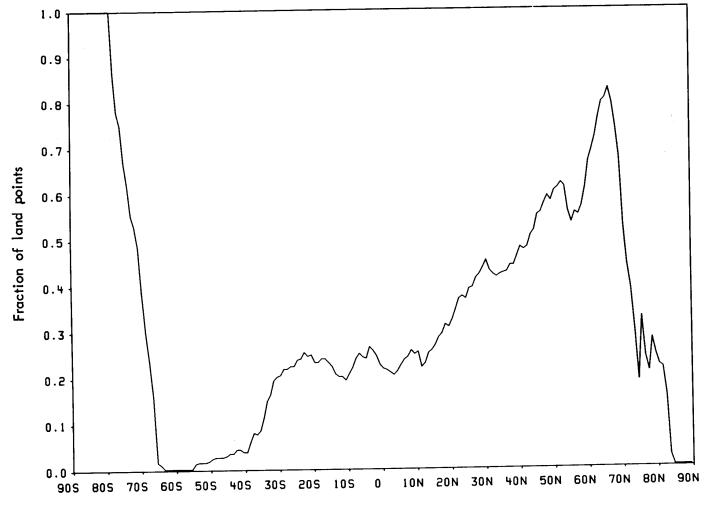


Fig. 5a—Meridional variation of the fraction of the tabulated points representing land.

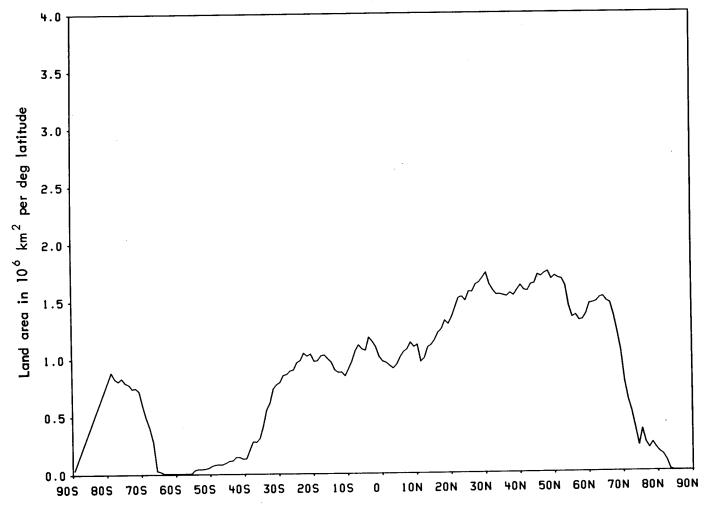


Fig. 5b — Meridional variation of the area covered by land (per degree of latitude).

# IV. TOPOGRAPHY TABULATION (TERRAIN HEIGHTS)

In the following tabulation the original Scripps continental elevations with respect to mean sea level (and those interpolated over longitude at latitudes poleward of 50°) are presented in the form of grid-point values on a 1° global grid. These values are given in decameters (= 10 m), with asterisks denoting the locations of ocean. All longitudes are referenced eastward from Greenwich. The quadrant identification used in the original Scripps tabulation by Smith, Menard, and Sharman (1966) has here been transformed to the true latitude and longitude of the center of the 1° squares for which the listed height is the estimated average.

The locations of lakes may be identified by the subscript L following the tabulation of the lake's surface elevation. The locations of permanent ice-covered land are not separately identified, and the ice's surface elevation is tabulated as though it were land. Negative numbers denote land below mean sea level, while zero denotes land at sea level (to the nearest decameter). Ocean depths are tabulated in Part II of this report (R-1277-1-ARPA).

	TERRA	AIN HE			MEAN SI EAST LI			DECAME	TERS			
	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	3.5	9.5	1C.5	11.5
89.5N	*	*	*	*	*	*	*	*	*	*	• *	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	0
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	*	¥	*	*
69.5N	*	*	*	*	*	*	*	*	*	*	*	*
68.5N	*	*	*	*	*	*	*	*	*	*	*	*
67.5N	*	*	*	*	*	*	*	*	*	*	*	*
66.5N	*	*	*	*	*	*	*	*	*	*	*	*
65.5N	*	*	*	*	*	*	*	*	*	*	*	1
64.5N	*	*	*	*	*	*	*	*	*	*	17	42
63.5N	*	*	*	*	*	*	*	*	2	17	32	52
62.5N 61.5N	*	*	*	*	*	*	2	29	66	84	81	85
60.5N	*	*	*	*	*	2 5	47	82	107	107	82 34	70
59.5N	*	*	*	*	*	5 5	55 55	75 70	65 50	51 32	34 17	25 12
58.5N	*	*	*	*	*	> ★	55 17	20	1	<i>32</i> *	*	0
57.5N	*	*	*	*	*	*	*	<b>2</b> 0	*	*	*	1
56.5N	*	*	*	*	*	*	*	*	*	*	*	1
55.5N	*	*	±	*	*	*	±	*	*	22	*	*
54.5N	*	*	*	*	*	*	*	*	*	*	*	*
53.5N	*	*	*	*	*	*	*	ō	4	6	7	7
52.5N	11	5	5	2	*	0	6	12	17	20	20	17
51.5N	16	12	7	2	*	1	14	22	27	30	30	27
50.5N	15	16	17	18	19	22	27	30	30	32	37	40
49.5N	8	10	10	20	20	20	30	30	20	30	30	40
48.5N	20	20	.20	20	20	20	30	30	50	50	50	40
47.5N	10	20	20	30	40	25	50	40	80	90	110	90
46.5N	20	30	30	30	40	50	75	230	200	190	150	110
45.5N	20	30	70	60	55	40	220	120	30	30	35	20
-		-			= =	. •						<del></del>

•

	TERR	AIN HE						DECAME	TERS			
					EAST L							
	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5
44.5N	20	20	50	80	30	120	220	90	5	25	60	25
43.5N	30	20	40	10	10	18	20	*	*	*	10	30
42.5N	100	100	0.8	*	*	*	*	*	*	10	*	10
41.5N	20	30	*	*	*	*	*	*	*	*	*	*
40.5N	6	*	*	*	*	*	*	*	20	40	*	*
39.5N	*	*	*	*	*	*	*	*	10	C	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	40	45	40	50	40	45	50	15	*
35.5N	50	70	80	70	6 C	60	110	90	80	90	10	*
34.5N	90	90	80	90	50	20	20	30	70	50	10	*
33.5N	100	100	80	70	40	20	20	20	10	20	10	*
32.5N	85	70	70	60	30	20	20	10	20	30	25	10
31.5N	70	60	50	40	20	20	20	20	30	30	40	40
30.5N	50	50	40	30	20	20	20	20	30	30	40	40
29.5N	40	50	50	40	30	25	26	30	40	40	50	50
28.5N	40	50	50	50	50	40	30	3C	40	40	40	40
27.5N	40	50	40	40	40	50	40	40	40	40	40	40
26.5N	40	50	40	50	50	70	50	50	60	50	40	40
25.5N	40	40	50	55	80	90	100	110	120	120	60	80
24.5N	40	50	50	60	70	110	130	130	80	140	70	85
23.5N	40	40	40	50	70	170	150	120	100	70	80	80
22.5N	30	40	40	50	70	110	80	80	70	50	60	60
21.5N	40	40	40	40	60	80	75	50	50	40	50	60
2C.5N	40	50	50	50	50	50	50	50	70	40	40	50
19.5N	50	50	50	40	50	40	40	50	90	50	40	50
18.5N	40	50	40	40	40	40	40	50	70	50	40	40
17.5N	40	50	40	40	40	40	40	50	80	50	40	40
16.5N	40	40	40	40	40	40	40	50	50	50	40	40
15.5N	40	40	40	40	40	40	40	40	50	50	40	40
14.5N	30	30	40	40	40	40	40	40	40	40	40	40
13.5N	30	30	30	30	40	40	40	40	40	40	40	40
12.5N	30	30	30	30	30	40	40	50	50	40	40	40
11.5N	30	30	30	30	20	40	50	60	50	40	40	40
10.5N	20	30	30	30	20	30	40	50	80	70	40	40
9.5N	20	30	30	30	20	30	30	50	80	70	25	20
8.5N	30	25	20	30	30	20	20	30	25	20	20	50
7.5N	30	20	20	20	30	40	30	30	20	30	30	60
6.5N	20	0	*	*	*	20	20	20	30	60	120	90
5.5N	*	*	*	*	*	*	10	10	30	60	110	70
4.5N	*	*	*	*	*	*	0	0	*	70	4C	50 50
3.5N	*	*	*	*	*	*	*	*	*	*	30	50 50
2.5N	*	*	*	*	*	*	*	*	*	*	30 40	50 50
1.5N	*	*	*	*	*	*	*	*	*	* 0	40	50 40
0.5N	*	*	*	*	*	*	*	*	#	U	40	40

					.•.	14						
					1.1	<b>-</b> ,-						
											,	*
												ž.
	TERRA	IN HE	IGHTS A					DECAME	TERS			
	0.5	1.5	2.5	3.5	EAST LO	3NG 1101 5.5	6.5	7.5	8.5	9.5	10.5	11.5
	0.5	1.5	2.0	3.7	4.7	7.7	0.7	1.0	0.5	, <b>.</b> .,	10.5	2.00
0.58	*	*	*	*	*	*	*	*	*	5	20	50
1.58	*	#	*	*	*	*	*	*	*	5	30	60
2.55	*	*	*	*	*	*	*	*	*	*	20	30
3.55	*	*	*	*	*	*	*	*	*	*	*	20
4.5S 5.5S	*	*	*	* *	*	*	*	*	*	*	*	*
2∙23 6∙5S	*	*	*	*	*	*	*	*	*	*	*	*
7.58	*	*	*	*	*	*	*	*	*	*	*	*
8.55	*	*	*	*	*	*	*	*	*	*	*	*
9•5S	*	*	*	*	*	*	*	*	*	*	*	*
10.55	*	*	*	*	*	*	*	*	. *	*	*	*
11.55	*	*	*	*	*	*	*	*	*	*	*	*
12.55	*	*	*	*	*	*	*	*	*	*	*	*
13.58	*	*	*	*	*	*	*	*	*	*	*	*
14.55	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.55	*	*	*	*	*	*	*	*	*	*	*	*
17.55	*	*	*	*	*	*	*	*	*	*	*	*
18.5S 19.5S	*	* *	*	*	*	*	*	*	*	*	*	*
20.55	*	*	*	*	*	*	*	*	*	*	*	* *
21.55	*	*	*	*	*	*	*	* .	*	*	*	*
22.55	*	*	*	*	*	*	*	*	*	*	*	*
23.55	*	*	*	*	*	*	*	*	*	*	*	*
24.55	*	*	*	*	*	*	*	*	*	* .	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.55	*	*	*	*	*	*	*	*	*	*	*	*
27.55	*	*	*	*	*	*	*	*	*	*	*	*
28.55	*	**	*	*	*	*	*	*	*	*	*	*
29.55	*	*	*	*	*	*	*	*	*	*	*	*
30.55	*	*	*	*	*	*	*	*	*	*	*	*
31.5S 32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5\$	*	*	*	*	*	*	*	*	*	*	*	*
36.55	*	*	*	*	*	*	*	*	*	*	*	*
37.55	*	*	*	*	*	*	*	*	*	*	*	*
38.58	*	*	*	*	*	*	*	*	*	*	*	*
39.5\$	*	*	*	*	*	*	*	*	*	*	*	*
40.55	*	*	*	*	*	*	*	*	*	*	*	*
41.55	*	*	*	*	*	*	*	*	*	*	*	*
42.55	*	*	*	*	*	*	*	*	*	*	*	*
43.55	*	*	*	*	*	*	*	*	*	*	*	*
44.55	*	*	*	*	. *	*	*	*	*	*	*	· <b>*</b>

	TERR	AIN HE				EA LEV ONG ITU		DECAME	TERS			
	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5
45.58	*	*	*	*	*	*	*	*	*	*	*	*
46.55	#	*	*	*	*	*	*	*	*	*	*	*
47.55	*	*	*	*	*	*	*	*	*	*	*	*
48.55	*	*	*	*	*	*	*	*	*	*	*	*
49.55	*	*	*	*	*	*	*	*	*	*	*	*
50.58	*	*	*	*	*	*	*	*	*	*	*	*
51.58	*	*	*	*	*	*	*	*	*	*	*	*
52.5\$	*	*	*	*	*	*	*	*	*	*	*	*
53.58	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.58	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5\$	*	*	*	*	*	*	*	*	*	*	*	*
59.55	**	*	*	*	*	*	*	*	*	*	*	*
60.55	*	*	*	*	*	*	*	*	*	*	*	*
61.55	*	*	*	*	*	*	*	*	*	*	*	*
62.55	*	*	*	*	*	*	-	*	*	*	*	*
63.55	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S 66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.55	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.55	10	10	10	16	22	28	34	40	40	40	40	40
71.55	104	127	150	152	154	156	158	160	164	168	172	176
72.55	192	221	250	260	270	280	290	300	308	316	324	332
73.55	250	275	300	318	336	354	372	390	388	386	384	382
74.55	272	281	290	306	322	338	354	370	372	374	376	378
75.55	301	310	320	326	332	338	344	350	356	362	368	374
76.55	308	319	330	334	338	342	346	350	354	358	362	366
77.58	308	319	330	334	338	342	346	350	354	358	362	366
78.55	<b>3</b> 02	311	320	324	328	332	336	340	344	348	352	356
79.58	296	303	310	314	318	322	326	330	334	338	342	346
80.55	275	280	286	292	297	302	306	310	314	318	322	326
81.58	269	273	278	283	288	292	296	300	304	308	312	316
82.55	263	267	270	2 <b>74</b>	278	281	284	287	290	293	296	299
83.55	263	267	270	274	278	280	281	282	283	284	285	286
84.55	263	267	270	274	278	280	281	282	283	284	285	286
85.55	257	260	263	266	269	270	271	272	273	274	275	276
86.55	261	263	265	267	269	270	271	272	273	274	275	276
87.5S	265	266	267	268	269	270	270	270	270	270	270	270
88.55	266	267	268	269	269	270	270	270	270	270	270	270
89.55	270	270	270	270	270	270	271	272	273	274	275	276

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

12.5 13.5 14.5 15.5 16.5 17.5 19.5 20.5 21.5 22.5 18.5 23.5 89.5N \* \* \* \* \* \* \* 98.5N \* \* \* \* \* \* \* \* \* \* \* \* 87.5N \* \* \* \* 86.5N \* \* \* 85.5N \* \* \* \* \* \* \* 84.5N \* \* \* \* \* \* 83.5N \* \* \* \* \* \* \* \* \* 82.5N \* \* \* \* \* \* \* \* 81.5N \* \* \* \* \* \* \* \* \* 80.5N \* \* \* \* \* \* \* \* \* \* 79.5N 0 4 8 12 0 12 16 20 8 \* 1 16 78.5N 0 4 8 12 8 4 \* 16 20 16 12 77.5N \* \* 0 \* 0 \* 4 10 7 \* 76.5N \* \* \* \* 75.5N \* \* \* 74.5N \* \* \* \* \* \* \* 73.5N \* \* \* \* \* \* \* 72.5N \* \* \* \* \* \* \* \* \* 71.5N \* \* \* \* \* \* \* 70.5N \* \* \* \* \* \* \* \* \* 0 69.5N \* \* \* \* \* \* 5 42 47 17 32 50 68.5N \* \* 1 9 16 32 57 47 40 65 55 42 67.5N \* \* \* 22 77 52 35 25 87 112 97 20 66.5N 19 51 84 92 77 62 47 35 25 17 12 10 65.5N 44 74 91 90 70 52 37 25 15 \* 6 64.5N 67 72 57 45 35 22 \* \* 27 17 12 5 63.5N 77 75 45 27 22 17 12 7 \* 0 3 6 62.5N 95 82 47 20 27 22 12 \* \* 1 9 16 61.5N 70 60 40 25 15 6 \* \* \* 0 6 12 60.5N 25 24 21 17 12 6 2 7 10 59.5N 17 20 20 17 12 7 2 \* \* \* \* 58.5N 10 18 19 9 \* \* \* 16 \* ı 57.5N 14 20 20 9 \* \* \* 16 \* 1 56.5N 4 7 9 \* \* \* \* 6 1 8 6 55.5N \* \* \* \* \* \* \* 3 8 12 54.5N \* \* \* \* \* \* 1 5 10 17 17 53.5N 8 7 8 7 9 8 8 10 10 12 17 20 52.5N 12 12 17 20 20 20 20 20 20 20 20 20 51.5N 22 20 20 20 20 20 20 20 20 20 20 20 50.5N 40 42 47 52 30 57 55 45 37 32 30 30 49.5N 40 50 40 90 70 90 70 70 110 120 70 60 48.5N 40 40 60 70 40 40 50 75 60 30 40 100 47.5N 100 100 100 70 30 20 20 20 20 20 50 60 46.5N 110 90 70 40 20 20 20 20 20 50 50 20 45.5N 5 5 40 20 20 30 20 20 20 10 50 70

	TERR	AIN HE	IGHTS DE	ABOVE GREES		EA LEV		DECAME	TERS			
	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5
44.5N	0	*	*	55	70	55	50	40	20	50	40	30
43.5N	50	5	*	*	10	70	80	80	70	55	60	20
42.5N	25	70	C	*	*	*	5	80	80	70	85	70
41.5N	*	35	50	30	*	*	*	5	40	40	30	40
40.5N	*	*	*	50	15	0	*	0	40	50	40	30
39.5N	*	#	*	*	40	*	*	*	15	50	30	*
38.5N	*	*	*	*	*	*	*	*	*	15	0	C
37.5N	0	20	40	*	*	*	*	*	*	*	20	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	10	20	0	*	*	*	*	*	*	20	15	*
31.5N	45	40	20	5	*	*	*	*	*	20	20	20
30.5N	40	50	30	20	10	5	*	*	5	10	10	10
29.5N	60	60	50	30	20	20	10	10	10	10	10	10
28.5N	50	50	50	50	50	30	20	20	20	10	10	20
27.5N	40	50	50	40	40	50	50	25	20	20	20	20
26.5N	50	50	40	40	40	30	25	20	20	20	20	20
25.5N	60	50	50	40	40	40	30	20	20	25	30	30
24.5N	60	60	50	50	5 C	50	40	40	40	40	30	40
23.5N	80	70	60	60	60	60	60	60	50	40	35	50
22.5N	70	80	60	60	70	70	70	80	50	40	40	50
21.5N	50	50	50	70	100	120	160	80	50	40	40	50
20.5N	50	40	40	40	80	150	170	80	60	50	50	50
19.5N	40	40	40	40	60	70	90	50	50	50	50	60
18.5N	40	40	40	40	40	40	40	40	40	40	50	60
17.5N	40	40	40	40	40	50	50	40	40	50	50	60
16.5N	40	40	40	50	50	50	50	40	40	50	60	70
15.5N	30	30	40	40	40	40	40	40	40	50	70	80
14.5N	30	20	30	30	40	40	40	40	50	60	70	90
13.5N	30	20	28L	30	40	40	40	40	50	60	80	110
12.5N	30	30	30	30	40	40	40	50	50	60	80	120 70
11.5N	40	40	40	30	40	40	50	50	50	60	70 50	
10.5N	40	50	40	40	40	40	40	40	40	50 50	50 50	50 50
9.5N	30	40	40	40	40	40	40	40	40 50	50	50 50	50 50
8 • 5N	40	50	40	40	40	40	40	40	50 50	50 50	50 50	
7.5N	90	100	100	50	50	40	40	40	50 50	50 50	50 50	50 50
6.5N	80	100	110	100	70	· 50	50 50	50 60	50 50	50 50		50 50
5.5N	70	80 75	90 70	80	70	50	50 40	<b>40</b>	50 50	50	50 50	
4.5N	60	75 53	70 50	60	50	40	40	50	50 50	50 50	50 50	50 50
3.5N	60	<b>57</b>	50 50	50	50	40	40	40	50 40	50	50 40	50 40
2.5N	60 50	60 50	50 50	40 40	40	40	40	40	40 40	40 40	40	40 40
1.5N	50 60	50 50	50 50	40	40	30	30	40		40	40	50
0.5N	40	50	50	40	40	30	30	30	30	-+0	₩0	90

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE 21.5 22.5 23.5 12.5 13.5 14.5 15.5 16.5 17.5 19.5 20.5 18.5 0.55 1.55 2.55 3.55 4.5S 5.55 6.55 7.55 \* 8 C \* 8.55 9.55 \* 10.55 \* \* \* 11.55 \* 12.55 \* \* 13.55 \* \* 14.55 15.58 16.58 17.55 18.55 8 C 19.55 \* 20.55 \* 21.55 \* \* 22.55 \* \* 23.55 24.55 \* \* 25.55 \* \* 26.5S \* \* 27.55 \* \* 28.55 \* \* 29.55 \* \* \* \* 30.5S \* \* \* 31.55 \* \* \* \* \* 32.55 \* χt \* \* \* 33.55 \* \* 34.55 \* \* \* \* \* 35.55 \* 女 \* \* \* \* \* \* \* 36.55 \* \* \* \* \* \* \* \* 37.55 \* \* \* \* \* \* \* \* \* 太 38.5S \* \* \* \* \* \* 39.55 \* \* \* \* \* \* 40.5S \* \* \* \* \* \* \* × \* 41.55 \* \* \* \* \* \* \* \* \* 42.55 \*

43.55

44.55

\*

\*

\*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

			DL	GKLLS		3,40 1 1 0						
	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5
45.58	*	*	*	*	*	*	*	*	*	*	*	*
46.55	*	*	*	*	*	*	*	*	*	*	*	*
47.55	*	*	*	*	*	*	*	*	*	*	*	*
48.55	*	*	*	*	*	*	*	*	*	*	*	*
49.55	*	•	*	*	*	*	*	•	*	*	*	*
	*	<b>-</b>	*				*	*	- T	*	*	*
50.5S		<del>-</del>		*	*	*		<b>*</b>	<b>∓</b>	-	*	
51.5S	*	*	*	*	*	*	*	₩ .a.	₩	*		*
52.58	*	*	*	*	*	*	*	*	*	*	*	*
53.55	*	*	*	*	*	*	*	*	*	*	*	*
54.55	*	*	*	*	*	*	*	*	*	*	*	*
55.58	*	*	*	*	*	*	*	*	*	*	*	*
56.55	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.55	*	*	*	*	*	*	*	*	*	*	*	*
61.58	*	*	*	*	*	*	*	*	*	*	*	*
62.55	*	*	*	*	*	*	*	*	*	*	*	*
63.55	*	*	*	*	*	*	*	*	*	*	*	*
64.55	*	*	*	*	*	*	*	*	-	•	*	*
							<b>-</b>	<b>*</b>	<b>.</b>	*	*	
65.55	*	*	*	*	*	*	*	<b>∓</b>	*	•		4
66.55	*	*	*	*	*	*	*	#	*	*	*	<b>∓</b>
67.55	*	*	*	*	*	*	*	*	*	*	*	*
68.55	*	*	*	*	*	*	*	*	*	*	*	*
69.58	*	*	*	*	*	*	*	*	*	*	*	*
70.55	40	40	40	40	40	40	36	32	28	24	20	24
71.58	180	174	168	162	156	150	136	122	108	94	80	94
72.55	340	328	316	304	292	280	274	268	262	256	250	254
73.55	380	380	380	380	380	380	380	380	380	380	380	374
74.55	380	380	380	380	380	380	380	380	380	380	380	378
75.58	380	380	380	380	380	380	380	380	380	380	380	378
76.55	370	370	370	370	370	370	372	374	376	378	380	378
77.58	370	370	370	370	370	370	370	370	370	370	370	370
78.55	360	360	360	360	360	360	362	364	366	368	370	370
79.55	350	350	350	350	350		352	354	356	358	360	362
80.5\$	330	334				350						357
			338	341	343	345	347	349	351	353	355	
81.55	320	324	328	331	333	335	337	339	341	343	345	347
82.5\$	302	305	308	311	313	315	317	319	321	323	325	327
83.55	287	288	289	291	294	297	300	303	306	309	312	315
84.55	287	288	289	290	291	292	293	294	295	296	297	298
85.5S	277	278	279	280	281	282	283	284	285	286	287	288
86.58	277	278	279	280	281	282	283	284	285	286	287	288
87.55	270	270	270	270	271	272	273	274	275	276	277	278
88.58	270	270	270	270	271	272	273	274	275	276	277	278
89.55	277	278	279	280	280	280	280	280	280	280	280	280

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE

			UL			DIVETIO	UL					
	24.5	25.5	26.5	27.5	28.5	29.5	30.5	31.5	32.5	33.5	34.5	35.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	2	4	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	* .	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	本	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	. *	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	0	0	5	10	4	*	*	*	*	*	*	*
69.5N	50	45	35	24	13	8	9	5	*	*	*	*
68.5N	40	39	36	36	39	37	32	25	15	10	10	9
67.5N	20	20	20	25	35	40	40	35	25	20	20	17
66.5N	10	12	17	20	20	17	12	9	6	2	*	Ö
65.5N	1	4	8	10	10	12	17	17	12	6	*	*
64.5N	4	8	9	12	17	20	20	17	12	8	5	2
63.5N	9	12	17	20	20	20	20	20	20	17	12	10
62.5N	20	20	20	17	12	12	17	20	20	17	12	12
61.5N	17	17	12	10	9	10	13	16	19	16	9	6
60.5N	9	7	3	1	2	4	6	7	9	10	10	10
59.5N	*	*	0	2	3	5	8	1L	17	20	20	17
58.5N	. 4	5	6	7	8	7	ÎL.	11	15	20	20	3L
57.5N	5	7	8	9	10	12	17	20	20	20	20	20
56.5N	9	12	17	20	20	20	20	20	20	20	20	20
55.5N	17	20	20	20	20	20	20	20	20	20	20	20
54.5N	12	12	17	20	20	20	20	20	20	20	20	20
53.5N	20	20	20	20	20	20	20	20	20	20	20	20
52.5N	20	20	20	20	20	20	20	20	20	20	20	20
51.5N	20	20	20	20	20	20	20	20	20	20	20	20
50.5N	30	27	22	20	20	20	20	20	20	20	20	20
49.5N	40	50	50	50	30	20	20	20	10	10	10	20
48.5N	110	40	30	30	30	20	20	20	20	20	20	10
47.5N	130	150	40	30	20	20	20	20	20	20	10	20
46.5N	40	60	60	20	20	10	ō	*	0	6	0	*
45.5N	6.0	80	80	20	20	ō	*	*	*	5	10	0
						-				-		-

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

			DE	GREES	EAST L	ONGITU	DE					
	24.5	25.5	26.5	27.5	28.5	29.5	30.5	31.5	32.5	33.5	34.5	35.5
44.5N	20	20	20	20	10	*	*	*	*	*	*	*
43.5N	20	20	30	20	*	*	*	*	*	*	*	*
42.5N	60	50	20	*	*	*	*	*	*	*	*	*
41.5N	80	50	20	40	*	*	*	*	25	70	80	35
40.5N	*	*	0	*	*	30	40	90	100	90	70	70
39.5N	*	*	15	25	40	80	90	70	80	90	100	110
38.5N	*	*	0	25	40	70	100	80	90	90	110	170
37.5N	*	*	*	35	60	100	90	100	120	100	150	110
36.5N	*	*	*	*	*	30	0	*	60	50	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	50
32.5N	*	*	*	*	*	*	*	*	*	*	*	35
31.5N	10	0	*	*	*	*	*	*	*	*	15	50
30.5N	10	20	20	20	10	10	10	10	20	30	40	90
29.5N	10	20	20	20	20	20	20	20	30	70	40	130
28.5N	20	20	20	20	20	30	20	40	60	40	40	150
27.5N	20	20	20	20	35	30	20	25	80	25	*	0
26.5N	30	30	25	40	60	35	25	20	30	60	*	*
25.5N	40	40	40	45	50	50	40	35	20	60	10	*
24.5N	40	50	50	45	40	40	50	40	20	40	80	*
23.5N	50	50	50	50	40	40	50	45	23	40	60	20
22.5N	50	60	50	50	40	40	50	40	20	45 50	55 50	55 70
21.5N	50	60	50	50	40	40	30	35	40	50 50	50 50	80
20.5N	50	60	50	50	40	40	20	40	50	40	50 50	50
19.5N	60	60	60	50	50 50	40	30	40	40 40	40	50	50
18.5N	60	70 70	60 70	50 50	50 50	40 50	40 40	30 40	40	40	40	40
17.5N	70 70	70 80	70 70	50 60	50 50	50 50	50	50	40	40	40	40
16.5N 15.5N	80	90	80	60 70	60	60	50 50	50 50	40	40	50	50
14.5N	100	100	90	70	60	60	50 50	40	40	40	50	50
13.5N	150	90	80	60	60	60	50	40	40	40	50	60
12.5N	130	8C	70	55	60	60	60	50	50	40	50	50
11.5N	70	50	50	50	50	60	70	65	50	40	50	90
10.5N	50	50	40	40	40	50	50	50	40	50	70	130
9.5N	50	50	50	50	50	50	40	50	40	50	110	160
8.5N	50	50	50	50	50	50	40	40	40	50	75	130
7.5N	60	50	50	50	50	50	40	40	50	50	60	190
6.5N	60	50	50	50	50	50	50	50	50	50	70	130
5.5N	50	50	50	60	50	50	50	50	50	50	80	80
4.5N	50	60	65	70	70	70	70	50	80	80	80	70
3.5N	50	50	60	70	80	90	90	80	90	100	100	50
2.5N	50	50	60	80	90	100	110	90	100	100	110	80
1.5N	50	50	50	70	80	90	100	90	110	120	140	130
0.5N	40	50	50	70	90	100	210	120	120	120	130	150

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE  24.5 25.5 26.5 27.5 28.5 29.5 30.5 31.5 32.5 33.5 34.5 35.5												
	24.5	25.5	26.5	27.5	28.5	29.5	30.5	31.5	32.5	33.5	34.5	35.5	
0.55	50	50	50	80	110	110	110	110	113L	113L	130	220	
1.58	50	50	50	80	170	230	130	110	113L	113L	140	200	
2.58	50	60	60	80	100	150	120	110	113L	110	120	150	
3.58	60	60	70	80	100	100	110	120	130	130	130	140	
4.55	60	70	70	80	90	90	100	110	130	14C	150	190	
5.58	80	70	80	80	90	77L	100	110	120	140	130	150	
6.5S	90	80	80	80	90	90	90	110	120	120	120	100	
7.5S	90	90	80	90	90	100	100	110	110	110	100	110	
8.58	100	100	90	100	90	90	90	110	90	120	130	120	
9.58	100	90	90	90	90	90	100	110	110	120	160	80	
10.58	110	110	100	90	90	100	110	100	90	150	47L	90	
11.58	120	120	120	120	110	110	110	100	90	110	47L	70	
12.58	120	120	130	120	120	110	110	80	80	100	47L	90	
13.58	110	130	130	120	120	110	100	70	100	110	47L	90	
14.58	110	110	120	110	110	100	70	80	100	120	110	80	
15.58	100	110	110	110	100	90	50	65	55	70	90	70	
16.55	100	100	110	100	90	90	70	100	50	20	20	30	
17.55	90	90	100	89	80	90	90	100	60	20	10	20	
18.55	80	80	90	90	80	90	100	110	100	30	30	5	
19.55	80	80	80	90	90	110	110	90	90	30	5	*	
20.5S	80	80	90	100	100	80	74	50	40	30	5	*	
21.58	80	80	80	80	70	50	40	40	30	20	20	*	
22.5\$	80	80	70	60	50	40	40	30	30	30	20	*	
23.55	80	80	80	80	90	100	40	40	30	20	20	*	
24.55	90	90	80	90	90	90	100	40	20	20	5	*	
25.55	90	100	100	100	100	140	200	50	0	*	*	*	
26.5S	90	100	110	120	120	130	110	70	5	*	*	*	
27.58	110	110	120	130	140	160	150	65	*	*	*	*	
28.55	90	100	130	150	170	180	80	50	*	*	*	*	
29.55	90	120	155	185	250	210	70	*	*	*	*	*	
30.55	100	110	140	170	190	120	*	*	*	*	*	*	
31.55	140	105	165	140	120	0	*	*	*	*	*	*	
32.55	90	90	110	70	*	*	*	*	*	*	*	*	
33.55	40	30	20	*	*	*	*	*	*	*	*	*	
34.5S	*	*	*	*	*	*	*	*	*	*	*	*	
35.5\$			*	*	*	*	*	*	*	*		*	
36.5S	*	*	*	*	*	<b>∓</b>	<b>∓</b>	<b>∓</b>	*	<i>∓</i>	*	*	
37.55	*	*	*	*	*	*	*	*	*	*	*	*	
38.55	*	*	*	*	*	*	*	*	*	*	* *	*	
39.55	*	*	*	*	*	*	*	•	*	*	*	*	
40.55	*	-	*	•	*	*	*	*	_	•	*		
41.5S 42.5S	*	*	*	*	*	*	*	*	*	*	*	*	
	*	*	*	*	•	*	*	*	*	*	*	*	
43.55	*			*	*	*	*	*		-	* *		
44.55	*	*	*	*	*	*	*	*	*	*	7	*	

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	DEGREES EAST LONGITUDE											
	24.5	25.5	26.5	27.5	28.5	29.5	30.5	31.5	32.5	33.5	34.5	35.5
45.5S	*	*										
46.55	*	*	*	*	*	*	*	*	*	*	*	*
	*			*	*	*	*	*	*	*	*	
47.55		*	*	*	*	*	*	*	*	<b>∓</b>		*
48.55	*	*	*	*	*	*	*	*	*	*	*	*
49.55	*	*	*	*	*	*	*	*	*	*	*	*
50.55	*	*	*	*	*	*	*	*	*	*	*	*
51.55	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	#
53.5\$	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	★	*	*	*	*	*	*	*	*	*
55.5\$	*	*	*	*	*	*	*	*	*	*	*	*
56.5\$	*	*	*	*	*	*	*	*	*	*	, <b>*</b>	*
57 <b>.</b> 5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59 <b>.</b> 5\$	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.55	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.55	*	*	*	*	*	*	*	*	*	*	*	*
64.55	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.55	* '	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.55	*	*	*	*	*	*	*	*	*	*	*	*
69.55	*	*	*	*	*	*	*	10	10	15	25	25
70.55	28	32	36	40	50	60	70	80	90	94	98	102
71.55	108	122	136	150	150	150	150	150	150	162	174	186
72.58	258	262	266	270	266		258	254	250	252	254	256
73.58	368	362	356	350		262					304	306
74.5S	376	374	372		340	330	320	310	300	302		
75.5S	376	374	372	370	368	366	364	362	360	360	360	360
76.55				370	368	366	364	362	360	360	360	360
77.58	376 370	374 370	372	370 370	370	370	370	370	370	368	366	364
78.5S	370	370	370	370	370	370	370	370	370	368	366	364
79.55			370	3 <b>7</b> 0	370	370	370	370	370	368	366	364
	364	366	368	370	370	370	370	370	370	368	366	364
80.55	359	360	361	362	363	364	365	366	367	368	369	369
81.55	349	350	351	352	353	354	355	356	357	358	359	360
82.55	329	331	334	337	340	343	346	349	352	355	358	360
83.58	318	321	324	327	330	333	336	339	342	345	348	350
84.55	299	301	304	307	310	313	316	319	322	325	328	331
85.55	289	290	291	292	293	294	295	296	297	298	299	301
86.55	289	290	290	290	290	290	290	290	290	290	290	290
87.55	279	280	280	280	280	280	280	280	280	280	280	280
88.55	279	280	280	280	280	280	280	280	280	280	280	280
89.55	280	280	280	280	280	280	280	280	280	280	280	280

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

	DEGREES EAST LONGITUDE											
	36.5	37.5	38.5	39.5	40.5	41.5	42.5	43.5	44.5	45.5	46.5	47.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*		*	*	*	*
75.5N 74.5N	*	*	*	*	*	*	*	•	*	*	*	*
73.5N	*	*	*	*	*	*	*	<b>.</b>	*	*	*	*
	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	* .	*	*	*	*	<b>-</b>	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	- T	*	*	*	*
69.5N			*	*	*	*	*	* .	*	*	*	*
68.5N	7 12	3		7		5	•		3	2	*	*
67.5N		9 7	8	•	6		5	4 5	4	4	4	5
66.5N	4 *	*	7 *	6 *	6	6 5	5 5	5	4	5	7	11
65.5N			2		2	4	5	6	7	8	9	12
64.5N	1	1		3	3			10	10	10	10	12
63.5N	10	10	10	10	10	10	10		20	20	20	20
62.5N	17	20	20	20	20	20	20	20			20	20
61.5N	9	12	17	20	20	20	20	20	20	20	20	20
60.5N	10	12	17	20	20	20	20	20	20	20 20	20	20
59.5N	12	12	17	20	20	20	20	20	20	12	17	20
58.5N	20	20	20	20	20	20	20	17	12	12	17	20
57.5N	20	20	20	20	20	17	12	10	10 17	20	20	20
56.5N	20	20	20	17	12	10	10	12		20	20	20
55.5N	20	20	20	20	20	20	20	20	20		20	20
54.5N	20	20	20	20	20	20	20	20	20	20	20	20
53.5N	20	20	20	20	20	20	20	20	20	20		
52.5N	20	20	20	20	20	20	20	20	20	20	20	20
51.5N	20	20	20	20	20	20	20	20	20	20	20	20
50.5N	20	20	20	20	20	20	20	20	20	20	20	20
49.5N	20	20	20	20	20	20	20	20	20	20	20	10
48.5N	20	20	20	20	20	20	20	20	10	10	10	0
47.5N	20	20	20	20	20	20	10	10	10	10	-1	-1 -2
46.5N	*	**	0	8	10	10	20	20	10	0	-1	-2
45.5N	*	0	12	10	20	20	20	20	10	10	-1	-3L

	TERR	AIN HE						DECAME	TERS			
					EAST L							, -, -
	36.5	37.5	38.5	39.5	40.5	41.5	42.5	43.5	44.5	45.5	46.5	47.5
44.5N	*	*	*	50	100	110	90	40	20	10	-2	-3L
43.5N	*	*	*	*	50	350	290	110	45	20	20	-3L
42.5N	*	*	*	*	*	0	60	140	170	220	180	90
41.5N	*	*	*	*	*	0	210	210	80	50	45	200
40.5N	70	100	120	140	210	200	220	190	200	230	110	20
39.5N	130	140	130	160	200	230	250	370	170	210	170	70
38.5N	160	140	110	110	130	180	130	180	220	140	160	210
37.5N	60	70	60	70	80	60	100	190	250	150	210	180
36.5N	40	40	40	50	40	50	40	70	110	180	190	180
35.5N	40	40	50	45	25	30	30	20	60	80	190	230
34.5N	80	60	50	40	30	30	20	20	20	50	140	190
33.5N	70	60	60	50	50	50	20	20	20	30	90	130
32.5N	80	80	70	70	50	50	40	20	20	20	20	20
31.5N	80	80	75	60	50	50	50	40	20	20	20	20
30.5N	100	90	80	70	60	60	50	40	30	20	20	5
29.5N	100	100	90	80	70	60	60	50	40	30	30	10
28.5N	100	80	90	80	70	70	70	60	50	50	40	30
27.5N	160	90	90	70	70	90	80	70	60	60	50 50	40 50
26.5N	10	110	85	70	70	80	80	75	70	65 65	50 70	50 60
25.5N	*	80	80	60	70	70	90	85	85	85	70	60
24.5N	*	10	70	60	70	100	100	90	100	100	80 80	60 60
23.5N	*	*	0	50	70	110	120	100	100	90	75	70
22.5N	*	*	*	50	70	105	160	140	85 05	80	80	75
21-5N	70	*	*	40	100	200	110	90	85 05	80	75	75
20.5N	70	*	*	*	60	170	100	90	85	80 85	80	75
19.5N	80	*	*	*	*	50	150	100	90 100	90	80	75
18.5N	70	20	*	*	*	50	100	120 100	90	90	80	75
17.5N	50 50	40	50	*	*	*	40	80	100	90	80	70
16.5N	50 50	80	80	*	*	*	20 0	80	180	85	75	70
15.5N	50	75	110 120	20 150	20	ō	*	70	190	150	150	80
14.5N 13.5N	60 70	80 100	210	170	40	50	ō	80	110	80	0	*
13.5N 12.5N	120	190	180	180	40	30	40	*	*	*	*	*
11.5N	160	200	200	190	80	30	20	*	*	*	*	*
10.5N	140	250	210	210	80	50	70	50	*	3	40	110
9.5N	170	190	210	200	80	100	130	110	100	100	80	80
8.5N	180	190	220	140	150	110	105	110	90	80	70	70
7.5N	190	190	180	190	170	100	80	90	80	70	50	40
6.5N	150	170	180	260	160	85	55	70	60	50	40	20
5.5N	90	120	170	120	80	60	70	50	40	40	20	10
4.5N	60	100	120	90	90	50	30	45	40	20	20	0
3.5N	50	80	80	90	70	50	20	40	30	10	10	*
2.5N	50	70	60	50	50	30	20	25	10	*	*	*
1.5N	90	90	50	40	30	20	20	10	*	*	*	*
0.5N	110	100	50	30	20	20	10	*	*	*	*	*

 $\vec{r} = \vec{r}$ 

	TERR	AIN HE			MEAN S EAST L			DECAME	TERS			
	36.5	37.5	38.5	39.5	40.5	41.5	42.5	43.5	44.5	45.5	46.5	47.5
0.58	230	160	75	20	10	7	*	*	*	*	* *	*
1.55	140	120	90	23	10	*	*	*	*	*	*	*
2.58	140	140	60	23	*	*	*	*	*	*	*	*
3.5S	150	150	98	10	*	*	*	*	*	*	*	*
4.55	130	90	100	0	*	*	*	*	*	*	*	*
5.58	120	100	30	*	*	*	*	*	*	*	*	*
6.55	90	40	20	*	*	*	*	*	*	*	*	*
7.55	80	30	10	*	*	*	*	*	*	*	*	*
8.55	50	30	30	*	*	*	*	*	*	*	*	*
9.55	50	40	30	*	*	*	*	*	*	*	*	*
10.55	80	55	40	30	*	*	*	*	*	*	*	*
11.58	50	30	20	20	*	*	*	*	*	*	*	*
12.55	80	40	40	20	*	*	*	*	*	*	*	*
13.58	50	50	48	20	*	*	*	*	*	*	. *	*
14.55	55	50	30	30	0	*	*	*	*	*	*	*
15.58	70	50	33	20	*	*	*	*	*	*	*	10
16.58	30	30	20	*	*	*	*	*	0	10	20	30
17.55	20	*	*	*	*	*	*	*	10	50	50	69
18.55	*	*	*	*	*	*	*	*	20	70	90	110
19.5\$	*	*	*	*	*	*	*	*	0	40	80	140
20.58	*	*	*	*	*	*	*	*	8	30	100	110
21.55	*	*	*	*	*	*	*	*	28	40	90	55
22.55	*	*	*	*	*	*	*	5	50	70	80	20
23.55	*	*	*	*	*	*	*	*	50	60	80	0
24.55	*	*	*	*	*	*	*	*	35	50	50	*
25.55	*	*	*	*	*	*	*	*	*	0	*	*
26.5\$	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.55	*	*	*	*	*	*	*	*	*	*	*	*
29.58	*	*	*	*	*	*	*	*	*	*	*	*
30.58	*	*	*	*	*	*	*	*	*	*	*	*
31.58	*	*	*	*	*	*	*	*	*	*	• *	*
32.58	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	. *	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.55	*	*	*	*	*	*	*	*	*	*	*	*
38.55	*	*	*	*	*	*	*	*	*	*	*	*
39.55	*	*	*	*	*	*	*	*	*	*	*	*
40.55	*	*	*	*	*	*	*	*	*	*	*	*
41.55	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.55	*	*	*	*	*	*	*	*	*	*	*	*
44.55	*	*	*	*	•	-	-	-	-	-	•	**

44.55

\*

TERRAIN	HEIGHTS ABOVE	MEAN	SEA LEVEL	IN	DECAMETERS

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

48.5 49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5 59.5 89.5N \* \* \* \* \* \* \* \* \* \* \* 88.5N \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 87.5N \* \* \* \* \* \* \* \* \* \* \* 86.5N \* \* \* \* \* \* \* \* \* 85.5N \* \* \* \* \* \* \* 84.5N \* \* \* \* \* \* \* \* \* \* \* \* \* \* 83.5N \* \* \* \* \* \* 82.5N \* \* \* \* \* \* \* \* \* \* 81.5N \* \* \* \* \* \* \* \* \* \* \* 0 \* \* \* \* \* 80.5N \* \* \* \* \* \* \* \* \* \* 79.5N \* \* \* \* \* \* \* \* \* \* \* \* \* \* 78.5N \* \* \* \* \* \* \* \* \* \* \* 77.5N \* \* \* \* \* 76.5N \* # \* \* \* \* \* \* \* \* 75.5N \* \* \* \* 0 0 \* \* \* \* \* 74.5N \* \* \* \* 4 20 12 \* \* \* \* 12 73.5N \* \* \* \* 2 20 \* \* \* \* 8 14 72.5N \* \* \* \* \* 0 0 \* \* \* 71.5N \* \* \* 0 \* \* \* 0 0 0 \* 70.5N \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 69.5N \* \* \* \* \* \* \* \* \* 68.5N \* 2 2 3 7 8 0 1 4 6 2 5 7 67.5N 9 10 10 7 6 6 8 9 9 8 10 66.5N 10 10 10 10 10 10 10 12 17 20 65.5N 17 20 20 20 20 20 20 20 20 20 20 25 64.5N 17 20 20 20 20 20 20 20 20 25 35 40 63.5N 17 20 20 20 20 20 20 20 20 30 50 50 62.5N 20 20 20 20 20 20 25 35 35 20 20 20 61.5N 20 20 20 20 20 25 20 20 20 20 35 37 60.5N 20 20 20 20 20 20 20 20 25 35 35 20 59.5N 20 20 20 20 20 20 20 20 20 27 42 42 58.5N 20 20 20 20 20 20 20 20 20 27 42 42 57.5N 20 20 20 20 20 20 20 20 27 42 45 20 56.5N 20 20 20 20 20 20 20 20 25 35 37 20 55.5N 20 20 20 20 20 20 27 20 20 20 42 45 54.5N 20 20 20 20 20 20 20 21 24 34 51 52 53.5N 20 20 20 20 20 20 20 22 27 35 45 47 52.5N 20 20 20 20 20 20 20 22 27 32 37 40 51.5N 20 20 20 20 20 20 20 20 20 22 27 32 50.5N 20 20 20 20 20 20 20 20 20 20 20 20 49.5N 10 10 10 20 10 10 20 20 20 20 20 20 48.5N 10 0 -1 -1-2 20 20 20 20 20 10 20 47.5N -1 -1-2 -2 -2 20 20 20 20 20 -110 46.5N -2 -3L -3L -3L -3L 10 -2 -1 20 20 20 20 45.5N -3L -3L -3L -3L -3L -3 -2 20 20 20 10 6L

	TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS  DEGREES EAST LONGITUDE												
	48.5	49.5	50.5	51.5	52.5	53.5	54.5	55.5	56.5	57.5	58.5	59.5	
44.5N	-3L	-3L	-3L	10	10	20	20	30	20	20	6L	6L	
43.5N	-3L	-3L	-3L	10	15	20	20	20	20	20	10	7	
42.5N	-3L	-3L	-3L	-3L	-3L	20	20	20	20	20	10	8	
41.5N	90	-3L	-3L	-3L	-3L	- 3L	20	20	20	20	20	10	
40.5N	30	20	-3L	-3L	-3L	20	20	20	20	20	20	10	
39.5N	30	-3L	-3L	-3L	-3L	-3L	20	20	20	20	20	20	
38.5N	120	-3L	-3L	-3L	-3L	-3L	20	30	100	110	40	20	
37.5N	180	-3L	-3L	-3L	-3L	-3L	20	120	160	180	200	60	
36.5N	210	130	240	250	60	150	140	120	100	130	150	140	
35.5N	220	210	130	150	130	100	90	80	90	110	140	150	
34.5N	200	210	160	80	80	70	70	70	70	95	130	100	
33.5N	180	240	230	220	170	130	110	90	100	120	150	200	
32.5N	30	135	260	200	190	180	170	140	140	90	110	150	
31.5N	20	50	190	250	220	180	190	170	190	70	90	110	
30.5N	5	10	50	210	220	230	190	210	180	100	40	70	
29.5N	*	*	10	80	170	150	200	160	250	190	55	90	
28.5N	2	*	*	10	80	130	150	150	150	120	120	110	
27.5N	30	*	*	*	4	90	70	50	30	40	30	40	
26.5N	40	10	*	*	*	*	5	Ő	*	70	80	90	
25.5N	50	20	0	0	*	*	*	5	o	*	*	*	
24.5N	50	40	20	2	*	*	2	50	5	*	*	*	
23.5N	50	50	40	30	30	30	30	50	60	60	20	*	
22.5N	50	50	50	50	50	50	40	40	40	40	50	Ö	
21.5N	70	65	60	60	50	50	50	50	40	30	30	*	
20.5N	70	60	60	60	60	50	50	50	40	20	*	*	
19.5N	60	60	60	60	50	50	50	50	40	0	*	*	
18.5N	60	60	50	50	50	50	50	40	10	*	*	*	
17.5N	60	50	50	50	50	50	50	*	*	*	*	*	
16.5N	60	50	50	50	0	*	*	*	*	*	*	*	
15.5N	70	70	40	20	*	*	*	*	*	*	*	*	
14.5N	50	*	*	*	*	*	*	*	*	*	*	*	
13.5N	*	*	*	*	*	*	*	*	*	*	*	*	
12.5N	*	*	*	*	*	*	*	*	*	*	*	*	
11.5N	*	*	*	*	*	*	*	*	*	*	*	*	
10.5N	90	60	30	*	*	*	*	*	*	*	*	*	
9.5N	80	60	20	*	*	*	*	*	*	*	*	*	
8.5N	50	40	*	*	*	*	*	*	*	*	*	*	
7.5N	40	C	*	*	*	*	*	*	*	*	*	*	
6.5N	10	*	*	*	*	*	*	*	*	*	*	*	
5.5N	*	*	*	*	*	*	*	*	*	*	*	*	
4.5N	*	*	*	*	*	*	*	*	*	*	*	*	
3.5N	*	*	*	*	*	*	*	*	*	*	*	*	
2.5N	*	*	*	*	*	*	*	*	*	*	*	*	
1 • 5N	*	*	*	*	*	*	*	*	*	*	*	*	
0.5N	*	*	*	*	*	*	*	*	*	*	*	*	

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

			DE	GREES	EAST LO	ING I TU	DE					
	48.5	49.5	50.5	51.5	52.5	53.5	54.5	55.5	56.5	57.5	58.5	59.5
0.5\$	*	*	*	*	*	*	*	*	*	*	*	*
1.55	*	*	*	*	*	*	*	*	*	*	*	*
2.55	*	*	*	*	**	*	*	*	*	*	*	*
3.55	*	*	*	*	*	*	*	*	*	*	*	*
4.55	*	*	*	*	*	*	*	*	*	*	*	*
5.58	* .	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.55	*	*	*	*	*	*	*	*	*	*	*	*
8.55	*	*	*	*	*	*	*	*	*	*	*	*
9.55	*	*	*	*	*	*	*	*	*	*	*	*
10.55	*	*	*	*	*	*	*	*	*	*	*	*
11.55	*	*	*	*	*	*	*	*	*	*	*	*
12.55	*	*	*	*	*	*	*	*	*	*	*	*
13.55	1	70	*	*	*	*	*	* *	*	*	*	*
14.55	60	80	*	*	*	*	*	*	*	*	*	*
15.55	29	30	*	*	*	*	*	*	*	*	*	*
16.58	80	25	*	*	*	*	. *	*	*	*	*	*
17.55	70	*	*	*	*	*	*	*	*	*	*	*
18.5S	70	*	*	*	*	*	*	*	*	*	*	*
19.55	30	*	*	*	*	*	*	*	*	*	*	*
20.58	20	*	*	*	*	*	*	*	*	*	*	*
21.58	*	*	*	*	*	*	*	*	*	*	*	*
22.55	*	*	*	*	*	*	*	*	*	*	*	*
23.55	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.58	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.55	*	*	*	*	*	*	*	*	*	*	*	*
29.58	*	*	*	*	*	*	*	*	*	*	*	*
30.55	*	*	*	*	*	*	*	*	*	*	*	*
31.55	*	*	*	*	*	*	*	*	*	*	*	*
32.58	*	*	*	*	*	*	*	*	*	*	*	*
33.55	*	*	*	*	*	*	*	*	*	*	*	*
34.58	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.55	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5\$	*	*	*	*	*	*	*	*	*	*	*	*
39.58	*	<b>*</b>	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.55	*	*	*	*	*	*	*	*	*	*	*	*
42.55	*	*	*	*	*	*	*	*	*	*	*	*
43.55	*	*	*	*	*	*	*	*	*	*	*	*
44.55	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

			טכ	GK EE 2	CASI L	UNGLIU	UE					
	48.5	49.5	50.5	51.5	52.5	53.5	54.5	55.5	56.5	57.5	58.5	59.5
45.5S	*	*	*	*:	*	*	*	*	*	*	• 🔅	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.55	*	*	*	*	*	*	*	*	*	*	*	*
48.55	*	*	*	*	*	*	*	*	*	*	*	*
			*	*		*	*	<u>.</u>	-	•	*	*
49.55	*	*	,		*			*	<del>*</del>	<b>.</b>		
50 <b>.</b> 5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5\$	*	*	*	*	*	*	*	*	*	*	*	*
53.58	*	*	*	*	*	*	*	*	*	*	*	*
54.55	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.55	*	*	*	*	*	*	*	*	*	*	*	*
	*		*	*	*	*	*	_	*	•	*	*
57.55		<b>₩</b>	•				-	<b>-</b>	•	<b>.</b>		Ī
58.5\$	*	*	*	*	*	*	*	*	*	*	*	*
59.5\$	*	*	*	*	*	*	*	*	*	*	*	*
60.58	*	*	*	*	*	*	*	*	*	*	*	*
61.55	*	*	*	*	*	*	*	*	*	*	*	*
62.55	*	*	*	*	*	*	*	*	*	*	*	<b>*</b>
63.55	*	*	*	*	*	*	*	*	*	*	*	*
64.55	*	*	*	*	*	*	*	<b>≭</b> .	*	*	*	*
65.55	*	*	*	*	*	*	*	*	*	*	*	*
66.55	*	*	17	67	102	115	105	67	2	*	*	*
67.55	17	35	65	95	125	135	125	115	105	87	62	42
68.55	150	162	187	205	215	220	220	215	205	200	200	192
69.55	227	235	245	252	257		260	260	260	257	252	242
						260						256
70.55	266	272	278	284	290	288	286	284	282	280	268	
71.55	302	304	306	308	310	302	294	286	278	270	256	242
72.55	306	302	298	294	290	282	274	266	258	250	238	226
73.55	312	304	296	288	280	270	260	250	240	230	224	218
74.5S	314	308	302	296	290	278	266	254	242	230	220	210
75.5S	316	312	308	304	300	294	288	282	276	270	260	250
76.55	328	3 26	324	322	320	314	308	302	296	290	280	270
77.55	336	332	328	324	320	312	304	296	288	280	274	268
78.55	334	328	322	316	310	304	298	292	286	280	286	292
79.5S	346	342	338	334			326	324	322	320	322	324
					330	328					360	360
80.55	360	360	360	360	360	360	360	360	360	360		
81.55	373	374	375	3 <b>76</b>	377	378	379	380	380	380	380	380
82.58	370	370	370	370	370	370	370	371	374	377	380	383
83.58	363	364	365	366	367	368	369	370	371	372	373	374
84.55	353	354	355	356	357	358	359	360	360	360	360	360
85.5S	323	324	325	326	327	328	329	330	331	332	333	334
86.55	293	294	295	296	297	298	299	300	301	302	3 C 3	304
87.55	290	290	290	290	290	290	290	290	290	290	290	290
88.55	283	284	285	286	287	288	289	290	290	290	290	290
89.55	283	284	285					290	290	290	290	290
07.73	200	20 <del>4</del>	200	286	287	288	289	270	270	270	270	270

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE

			UE	GK FF2	EAS! L	UNGITU	UE					
	60.5	61.5	62.5	63.5	64.5	65.5	66.5	67.5	68.5	69.5	70.5	71.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	#	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*.	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	#	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	#
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	Ö	ò	0	*	*	*
75.5N	4	12	20	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	Ċ	Ö	2
71.5N	*	*	*	*	*	*	*	*	0	ì	3	4
70.5N	*	*	*	*	*	*	*	*	ő	ō	1	3
69.5N	6	10	10	8	5	2	*	*	2	4	4	4
68.5N	9	12	17	20	20	17	12	9	6	5	4	3
67.5N	1Ó	12	17	25	35	37	32	25	15	· 9	7	6
66.5N	20	25	35	40	40	32	17	9	8	7	4	3
65.5N	35	40	40	35	25	17	12	9	8	7	6	5
64.5N	40	35	25	17	12	10	10	9	8	8	7	7
63.5N	30	20	20	17	12	10	10	10	10	10	9	9
62.5N	25	20	20	17	12	10	10	10	10	10	10	10
61.5N	32	27	22	20	20	17	12	10	10	10	10	10
60.5N	25	20	20	20	20	20	20	17	12	10	10	10
59.5N	27	20	20	20	20	20	20	17	12	10	10	10
58.5N	27	20	20	20	20	20	20	20	20	20	20	20
57.5N	35	27	22	20	20	20	20	20	20	20	20	20
56.5N	32	27	22	20	20	20	20	20	20	20	20	20
55.5N	35	27	22	20	20	20	20	20	20	20	20	20
54.5N	37	27	22	20	20	20	20	20	20	20	20	20
53.5N	42	35	25 25							20	20	20
				20	20	20	20	20	20			27
52.5N	40	35 37	25	20	20	20	20	22	27	30	30 30	
51.5N	3 <b>7</b>	37 20	32	27	22	22	27	30	30	30	30 37	32
50.5N	20	20	20	20	20	22	27	30 50	30	32	3 <b>7</b>	<b>42</b>
49.5N	20	20	20	20	20	20	30	50	45	40	40	40
48.5N	20	20	20	20	20	20	30	40	45 25	40	40	<b>4</b> 0
47.5N	20	20	20	20	20	20	20	30	35	30	40	50
46.5N	4	5	8	10	10	10	20	20	20	20	20	20
45.5N	6L	7	8	10	10	20	20	20	20	20	20	23

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE 69.5 62.5 63.5 68.5 70.5 71.5 60.5 61.5 64.5 65.5 66.5 67.5 20 20 20 20 20 20 44.5N 6L 10 8 10 10 2 C 50 40 9 9 20 20 30 70 43.5N 10 10 10 20 30 110 100 9 20 20 20 42.5N 10 10 20 20 20 10 20 20 65 200 220 41.5N 20 20 20 20 20 20 40.5N 10 20 50 70 90 110 100 90 80 20 20 30 290 320 320 390 39.5N 20 20 20 20 20 20 50 220 100 100 110 200 300 38.5N 20 20 20 20 20 20 55 30 40 90 200 280 20 20 30 37.5N 20 20 20 20 260 320 330 120 36.5N 90 30 30 60 60 60 60 140 240 310 390 280 35.5N 140 80 50 100 180 230 260 260 290 260 190 100 34.5N 90 100 150 210 260 290 310 310 33.5N 90 130 180 250 290 300 290 300 280 290 150 70 32.5N 120 90 100 160 150 180 250 250 230 230 90 30 220 200 190 40 20 31.5N 90 40 90 160 50 75 100 30.5N 50 110 40 60 80 100 110 140 200 180 150 20 100 20 29.5N 160 60 75 150 140 150 200 75 80 25 20 130 20 18 20 28.5N 150 60 60 90 140 200 60 30 20 20 20 20 27.5N 60 140 130 90 100 170 140 26.5N 25 10 20 20 30 90 90 90 80 90 100 80 20 20 10 10 25.5N 0 10 10 10 10 10 10 40 10 10 10 24.5N \* \* \* \* \* \* \* 50 10 \* \* **\$** 7 0 23.5N \* \* \* \* \* 0 30 \* \* 20 20 22.5N \* \* \* \* \* C 21.5N \* \* \* \* \* \* \* 0 10 10 \* 20.5N \* \* \* \* \* \* \* \* \* 19.5N \* \* \* \* \* \* \* \* \* \* 18.5N \* 17.5N \* \* \* \* \* \* \* \* \* \* \* 16.5N \* \* \* \* \* \* \* \* \* 15.5N \* \* \* \* \* \* \* \* \* \* \* \* 14.5N \* \* \* \* \* \* \* \* \* 13.5N \* \* \* \* \* \* \* \* \* \* \* \* 12.5N \* \* 11.5N \* \* \* \* \* \* \* \* \* \* \* \* \* 10.5N \* \* \* \* \* \* \* \* \* \* \* 9.5N \* \* \* \* \* \* \* 8.5N \* \* \* \* \* \* \* \* 7.5N \* \* \* \* \* \* \* \* \* \* \* \* \* \* 6.5N \* \* \* \* \* \* 5.5N \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 4.5N \* \* \* \* \* \* \* \* 3.5N \* \* \* \* \* \* \* \* \* \* \* 2.5N \* \* \* \* \* \*

\*

\*

\*

\*

\*

\*

\*

\*

\*

1.5N

0.5N

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE 68.5 70.5 71.5 62.5 63.5 64.5 65.5 67.5 69.5 61.5 66.5 \* \* \* \* × \* 0.55 \* \* \* \* \* \* \* \* \* \* \* \* 1.55 \* \* \* \* 2.55 \* \* × ¥ \* \* 3.55 \* \* \* \* \* 4.55 \* \* \* \* \* \* \* \* 5.55 \* 6.55 \* \* \* \* \* \* \* \* \* \* \* \* 7.55 \* \* \* \* 8.55 \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 9.55 \* \* \* \* \* \* \* \* \* \* \* 10.55 \* \* 11.58 \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 12.55 \* \* \* \* \* \* \* \* \* \* 13.55 \* \* \* \* \* 14.55 \* \* \* \* \* \* \* \* \* \* \* \* \* \* 15.55 \* \* \* \* \* \* \* \* \* 16.55 \* \* \* \* \* \* \* \* \* \* \* 17.55 \* \* \* \* \* \* \* \* \* \* 18.55 \* \* \* 19.55 本 \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 20.55 \* \* \* × \* \* \* \* \* 21.55 \* \* \* \* \* \* \* \* \* \* 22.5S \* \* \* \* \* \* \* \* \* \* \* \* \* 23.55 \* \* \* 24.55 \* \* \* \* \* \* \* \* 25.55 \* 26.55 \* \* \* \* \* \* \* \* \* \* 27.55 28.55 \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 29.5S \* \* \* \* \* \* \* 30.55 \* \* \* \* \* \* \* \* 31.5\$ \* \* \* \* \* \* \* \* \* \* \* \* \* \* 32.5S \* \* \* \* \* 33.5\$ \* \* \* \* 34.55 \* \* \* \* \* 35.5S \* \* 本 \* \* \* 36.55 \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 37.55 \* \* \* \* \* \* \* 38.5\$ \* \* \* \* \* **\***: \* \* \* \* \* \* 39.55 \* \* \* \* \* \* 40.55 \* \* \* \* \* 41.58 \* \* \* \* \* 42.55 本

\*

\*

43.55

44.55

\*

\*

\*

\*

\*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE 71.5 67.5 68.5 69.5 70.5 65.5 66.5 62.5 63.5 64.5 61.5 \* \* \* \* 45.55 \* \* \* \* \* \* \* \* \* 坎 \* 46.55 \* \* \* \* \* \* \* 47.55 \* \* \* \* \* \* 本 \* \* \* \* 48.55 \* 10 \* \* \* \* \* \* \* 49.55 \* \* \* \* 50.55 \* \* \* \* \* \* \* 51.55 \* \* \* 52.5S \* \* \* \* \* \* 53.55 \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 54.55 \* \* \* \* \* 55.58 \* \* \* \* \* \* \* \* \* \* \* \* \* 56.58 \* \* \* \* \* \* \* \* 57.5S \* \* \* 58.55 \* \* \* \* \* \* \* \* \* \* \* \* \* 59.55 \* \* \* \* \* \* \* \* 60.5S \* \* \* \* \* \* \* 61.55 \* \* \* \* \* \* \* \* 62.55 \* \* \* \* \* \* \* \* 63.55 \* \* \* \* \* \* 64.55 \* \* \* \* \* \* \* \* 65.5S \* \* \* \* \* \* \* \* 66.55 \* \* \* \* \* 27 20 20 17 12 10 10 67.5S \* 19 100 82 67 46 68.55 177 165 155 145 135 120 10 212 195 167 122 77 32 10 10 69.55 227 217 205 152 118 84 50 54 58 62 66 70.55 244 232 220 186 50 60 70 80 90 110 80 71.55 228 214 200 170 140 80 90 100 110 190 94 70 72.55 214 202 166 142 118 148 172 196 100 124 200 140 120 73.55 212 206 180 160 184 206 228 140 162 74.55 200 190 180 172 164 156 148 222 236 208 180 194 75.55 240 230 220 212 204 196 188 252 258 264 240 246 250 240 76.55 260 240 240 240 240 302 316 274 288 77.55 262 256 250 252 254 256 258 260 332 336 320 324 328 78.55 298 304 310 312 314 316 318 364 366 368 79.55 326 328 330 336 342 348 354 360 362 382 386 80.55 360 360 360 360 360 362 366 370 374 378 383 385 387 389 391 393 81.55 380 380 380 380 380 381 395 394 393 397 396 82.55 386 389 392 395 398 399 398 373 377 376 375 374 83.55 375 376 377 378 379 379 378 360 360 360 360 360 360 360 360 360 360 84.55 360 360 334 333 335 336 339 338 337 336 85.55 335 337 338 339 313 314 315 316 86.55 305 309 310 311 312 306 307 308 290 290 290 290 290 290 290 290 290 290 290 87.55 290 290 290 290 290 290 290 290 290 88.55 290 290 290 290 290 290 290 290 290 290 290 290 290 290 290 290 89.55

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

			DE	GREES	EAST L	ONGITU	DE					
	72.5	73.5	74.5	75.5	76.5	77.5	78.5	79.5	80.5	81.5	82.5	83.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	#	*	*	*	*	*	*
84.5N	<b>, *</b> ,	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	#	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	* *	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*		3	5	8	8
73.5N 72.5N	4	5	5		* 6	7	8	0 8	9	9	10	10
71.5N	6	6	6	6 6	6	6	7	7	8	8	9	9
70.5N	5	6	6	7	7	8	8	8	9	9	9	ģ
69.5N	4	4	4	4	5	5	6	7	8	ý	10	10
68.5N	2	2	1	ì	1	<u>.</u> 3	6	8	9	1ó	10	12
67.5N	5	4	3	3	4	4	4	5	7	8	9	12
66.5N	3	3	4	5	6	7	8	9	10	10	10	12
65.5N	5	5	6	6	7	έ	9	10	10	10	10	10
64.5N	7	7	7	7	8	8	9	9	10	10	10	12
63.5N	9	9	9	9	10	10	10	10	10	10	10	12
62.5N	10	10	10	10	10	10	10	10	10	12	17	20
61.5N	10	10	10	10	10	10	10	10	10	12	17	20
60.5N	10	10	10	10	10	10	10	10	10	12	17	20
59.5N	10	10	10	12	17	20	20	20	20	20	20	20
58.5N	20	20	20	20	20	20	20	20	20	20	20	20
57.5N	20	20	20	20	20	20	20	20	20	20	20	20
56.5N	20	20	20	20	20	20	20	20	20	20	20	20
55.5N	20	20	20	20	20	20	20	20	20	20	20	20
54.5N	20	20	20	20	20	20	20	20	20	20	20	22
53.5N	20	20	20	20	20	20	20	20	20	20	20	20
52.5N	22	20	20	20	20	20	20	20	20	20	20	22
51.5N	37	37	32	27	22	20	20	20	20	25	35 53	50
50.5N	47	50	50 70	47	42	35	25 50	22	27	37 50	52 40	80 4.0
49.5N	40	50 50	70	80	70	60	50 50	40 50	40 60	50 50	40 40	60 50
48.5N	40 50	50 40	80	90 40	80 50	50 50	50 50	50 60	60	50 70		90
47.5N	50 30	40	40	40	50 30	50 35	50 35	40 40	40 40	70	80 50	60
46.5N 45.5N	30 35	30 45	30 40	30 30	30	35 40	35 70	40 110	40 120	40 90	70	70
43 + 5N	33	77	40	30	30	+∪	70	LIU	120	70	10	10

TERRAIN	<b>HEIGHTS</b>	ABOVE	MEAN	SEA	LEVEL	IN	DECAMETERS
	D	COELC	CACT	1 CINIC	TTUNE		

		<u>-</u>	DE	GREES	EAST L	ONGITU	DE					
	72.5	73.5	74.5	75.5	76.5	77.5	78.5	79.5	80.5	81.5	82.5	83.5
44.5N	20	50	27L	60	40	50	80	160	200	17C	180	140
43.5N	35	40	80	100	100	90	90	170	160	130	170	290
42.5N	200	280	310	240	200	200	350	560	610	570	430	370
41.5N	200	200	230	280	320	400	420	390	380	280	120	90
40.5N	110	230	320	310	250	200	200	190	160	110	90	85
39.5N	400	400	370	230	190	180	170	160	150	130	120	110
38.5N	390	420	570	500	200	190	180	160	160	160	140	130
37.5N	400	430	440	400	250	170	200	185	170	170	170	180
36.5N	310	350	330	540	370	380	410	330	230	260	390	43 C
35.5N	380	260	210	440	630	560	450	440	480	500	510	520
34.5N	170	230	250	370	370	440	490	490	460	500	510	520
33.5N	40	90	210	220	400	390	430	460	440	440	510	520
32.5N	40	30	30	50	210	320	430	440	480	490	480	490
31.5N	20	20	20	30	50	270	380	460	490	500	500	500
30.5N	20	20	20	30	40	90	150	360	410	570	510	480
29.5N	20	20	20	30	30	40	50	120	200	220	500	650
28.5N	20	20	30	40	40	20	20	20	20	70	240	290
27.5N	30	30	40	50	30	20	20	20	20	20	30	40
26.5N	20	40	50	40	30	20	20	20	20	20	20	20
25.5N	30	50	50	40	30	40	30	20	20	20	20	20
24.5N	30	50	50	40	50	50	40	30	30	30	30	30
23.5N	20	20	50	50	50	50	40	40	40	50	50	50
22.5N	10	20	30	30	30	40	70	40	40	5 C	30	40
21.5N	5	20	50	40	30	50	40	30	30	30	30	20
20.5N	*	40	40	50	40	40	30	30	40	50	40	35
19.5N	*	4C	50	50	40	40	30	30	35	80	80	90
18.5N	*	60	50	50	40	40	40	40	25	60	60	40
17.5N	*	50	60	50	40	50	60	40	25	20	50	*
16.5N	*	10	60	50	40	40	40	35	20	50	*	*
15.5N	*	*	50	50	40	40	50	30	*	*	*	*
14.5N	*	*	30	60	40	50	40	30	*	*	*	*
13.5N	*	*	0	100	70	90	70	40	*	*	*	*
12.5N	*	*	*	50	60	70	50	20	*	*	*	*
11.5N	*	*	*	0	110	30	50	10	*	*	*	*
10.5N	*	*	*	*	50	70	25	10	*	*	*	*
9.5N	*	*	*	*	10	60	10	*	*	*	*	*
8 • 5N	*	*	*	*	*	50	*	*	30	*	*	*
7.5N	*	*	*	*	*	*	*	*	50	0	*	*
6.5N	*	*	*	*	*	*	*	*	80	C	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE 74.5 78.5 82.5 83.5 72.5 73.5 75.5 76.5 77.5 79.5 80.5 81.5 \* \* 0.55 \* \* \* \* \* \* \* \* \* 1.55 \* \* \* \* \* \* \* \* \* 2.55 # 3.55 4.55 \* \* \* 5.55 \* \* 6.55 \* \* \* 7.55 \* \* \* \* \* \* \* 8.55 \* \* \* \* \* \* 9.55 \* \* \* \* \* 10.55 \* \* \* \* \* \* \* \* \* \* \* 11.58 \* \* \* \* \* 12.55 \* \* \* \* \* \* 13.55 \* 14.55 \* \* 15.55 \* \* 16.55 \* \* \* \* \* \* \* 17.55 \* \* \* \* \* \* \* 18.55 \* \* \* \* \* \* \* 19.5\$ \* \* \* \* \* \* \* 20.55 \* \* \* \* \* \* 21.55 \* \* \* \* \* 22.55 \* \* \* \* \* \* 23.55 \* \* \* \* 24.55 \* 25.5\$ 26.55 \* \* \* \* \* \* \* \* \* \* 27.55 \* \* \* \* 28.5\$ \* \* \* 29.55 \* \* \* \* \* \* \* \* 30.55 31.55 \* \* \* \* \* \* 32.55 \* \* \* \* 33.55 \* \* \* \* 34.55 \* \* \* \* \* \* 35.55 36.55 \* 37.55 \* \* \* \* \* \* 38.55 \* \* 39.55 \* \* \* \* \* \* 40.5S \* \* \* 41.55 \* 42.55 \* \* \* 43.5S \* \* 44.55 \*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE												
	72.5	73.5	74.5	75.5	76.5	77.5	78.5	79.5	80.5	81.5	82.5	83.5
45.5\$	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	. ¥ *	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	÷	*	*	*	*	*	*	*	*	*	*	*
49.5S 50.5S	*	*	*	<b>*</b> *	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5\$	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5\$	*	*	*	*	*	*	*	*	. *	*	*	*
56.58	*	*	*	*	*	*	*	*	*	*	*	*
57.55	*	*	*	*	*	*	*	*	*	*	*	*
58.55	*	*	*	*	*	*	*	*	*	*	*	*
59.58	*	*	*	*	*	*	*	*	*	*	*	*
60.55	*	*	*	*	*	*	*	*	*	*	*	*
61.55	*	*	*	*	*	*	*	*	*	*	*	*
62.55	*	*	*	*	*	*	*	*	*	*	*	*
63.5\$	*	*	*	*	#	*	*	*	*	*	*	*
64.55	*	* .	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.55	*	*	*	*	*	*	*	* ,	*	*	*	5
67.55	*	*	*	*	*	*	*	*	*	*	27	57
68.55	*	*	*	*	*	*	25	67	102	125	135	147
69.5S	10	10	10	22	47	85	135	165	175	187	202	212
70.5S	70	92	114	136	158	180	194	208	222	236	250 290	254 294
71.5S	100 120	126 150	152 180	178	204	230	242	254 286	266 294	278 302	310	312
72.5\$ 73.5\$	220	236	252	210 268	240 284	270 300	278 304	308	312	316	320	322
74.55	250	262	274	286	29 <b>8</b>	310	314	318	322	326	330	332
75.55	250	264	278	292	306	320	322	324	326	328	330	332
76.5S	270	280	290	300	310	320	324	328	332	336	340	342
77.55	330	332	334	336	338	340	340	340	340	340	340	344
78.55	340	342	344	346	348	350	352	354	356	358	360	362
79.55	370	372	374	376	378	380	380	380	380	380	380	380
80.55	390	394	398	399	398	397	396	395	394	393	392	391
81.55	395	397	399	399	398	397	396	395	394	393	392	391
82.58	392	391	390	389	387	385	383	381	379	377	375	373
83.5\$	372	371	370	369	368	367	366	365	364	363	362	361
84.55	360	360	360	359	357	355	353	351	349	347	345	343
85.5S	332	331	330	330	330	330	330	330	330	330	330	330
86.55	317	318	319	320	320	320	320	320	320	320	320	320
87.55	290	290	290	290	290	290	290	290	290	290	290	290
88.5S	290	290	290	290	290	290	290	290	290	290	290	290
89.55	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE												
	84.5	85.5	86.5	87.5	88.5	89.5	90.5	91.5	92.5	93.5	94.5	95.5	
89.5N	*	*	*	*	*	*	*	*	*	*	*	*	
88.5N	*	*	*	*	*	*	*	*	*	*	*	*	
87.5N	*	*	*	*	*	*	*	*	*	*	*	*	
86.5N	*	*	*	*	*	*	*	*	*	*	*	*	
85.5N	*	*	*	*	*	*	*	*	*	*	*	*	
84.5N	*	*	*	*	*	*	*	*	*	*	*	*	
83.5N	*	*	*	*	*	*	*	*	*	*	*	*	
82.5N	*	*	*	¥	*	*	*	*	*	*	*	*	
81.5N	*	*	*	*	*	*	*	*	*	*	*	*	
80.5N	*	*	*	*	*	*	*	*	*	C	0	0	
79.5N	*	*	*	*	*	*	*	*	. *	*	8	17	
78.5N	*	*	*	*	*	*	*	*	*	*	*	*	
77.5N	:\$	*	*	*	*	*	*	*	*	*	*	*	
76.5N	*	*	*	*	*	*	*	*	*	*	*	*	
75.5N	*	*	*	*	*	*	2	6	10	12	14	16	
74.5N	1	4	7	10	12	14	16	18	20	20	20	20	
73.5N	9	9	10	10	12	14	16	18	20	18	16	14	
72.5N	10	10	10	10	10	10	10	10	10	10	10	10	
71.5N	9	10	10	10	12	14	16	18	20	20	20	20	
70.5N	9	10	10	10	12	14	16	18	20	20	20	20	
69.5N	10	12	17	20	20	2.4	31	35	35 53	36	39 75	40	
68.5N	17	20	20	20	20	22	27	37	· 52	65 33	75	77 42	
67.5N	17	20	20	20	20	22	27	30	30	32	37 37	42 37	
66.5N	17	20	20	20	20	21	24	26	29	32 31	34	34	
65.5N	10	12	17	20	20	20	20	22	27 20	20	20	20	
64.5N	17	20	20	20	20	20	20	20 42	47	47	42	37	
63.5N	17	20	20	20	20	25	35 31	36	39	40	40	42	
62.5N	20 20	20 20	20 20	20 20	20 20	24 20	20	22	27	32	37	37	
61.5N 60.5N	20	20	20	20	20	25	35	40	40	45	55	5 <b>5</b>	
59.5N	20	20	20	20	20	20	20	32	57	67	62	60	
58.5N	20	20	20	20	20	17	12	15	25	32	37	37	
57.5N	20	20	20	20	20	20	20	20	20	20	20	20	
56.5N	20	20	20	20	20	20	20	22	27	30	30	30	
55.5N	20	22	27	32	37	40	40	37	32	32	37	40	
54.5N	27	32	37	50	70	70	50	42	47	60	80	87	
53.5N	20	25	35	50	70	75	65	57	52	67	102	130	
52.5N	27	35	45	60	80	90	90	102	127	127	102	95	
51.5N	70	77	72	90	130	145	135	122	107	100	100	102	
50.5N	120	137	1 32	145	175	180	160	140	120	115	125	137	
49.5N	70	120	180	200	210	190	170	210	100	90	120	150	
48.5N	70	80	85	190	270	250	200	150	100	90	120	160	
47.5N	80	90	80	40	80	130	230	210	150	110	110	140	
46.5N	60	50	50	50	60	70	90	100	160	200	170	180	
45.5N	60	40	40	50	70	08	100	110	150	150	160	170	

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE 93.5 94.5 95.5 92.5 86.5 87.5 91.5 84.5 85.5 88.5 89.5 90.5 100 100 110 90 70 50 70 75 90 90 90 44.5N 100 160 170 180 180 43.5N 360 410 440 360 430 370 180 160 140 42.5N 240 240 230 170 60 45 80 90 80 100 120 150 170 90 90 120 120 130 140 41.5N 80 110 110 110 150 160 145 40.5N 80 70 70 70 80 80 90 100 110 300 300 300 310 330 39.5N 100 90 80 70 80 120 260 380 400 340 360 380 38.5N 120 130 150 200 370 400 310 290 300 37.5N 190 220 310 410 410 430 460 400 290 280 36.5N 480 510 490 490 460 460 500 490 430 370 350 320 520 470 450 420 430 440 35.5N 530 520 520 510 490 470 470 34.5N 410 450 490 530 540 530 520 510 500 450 450 33.5N 490 480 480 520 560 530 530 500 510 51 U 500 480 460 480 500 470 470 32.5N 500 490 480 490 490 480 450 460 480 31.5N 470 490 470 470 460 460 420 450 500 460 30.5N 500 480 490 540 460 450 490 500 470 480 500 520 360 410 460 390 380 400 29.5N 480 420 410 400 350 350 510 420 250 270 28.5N 270 380 570 770 630 560 660 600 50 290 220 60 50 390 290 27.5N 60 100 280 250 250 100 180 20 20 26.5N 10 10 20 20 20 20 50 40 100 130 200 90 25.5N 20 20 10 20 10 10 70 100 24.5N 100 70 80 30 40 30 20 10 10 20 20 40 70 60 23.5N 50 40 30 20 8 8 10 30 100 130 30 30 20 9 5 0 5 60 150 50 40 22.5N 4 100 \* \* 50 50 40 21.5N 20 30 20 0 \* \* \* \* \* \* 20 80 70 55 20.5N 35 20 5 \* 80 \* \* \* \* \* \* \* 70 50 19.5N \* \* \* \* \* 50 30 \* ± \* \* 18.5N \* \* \* \* \* \* \* \* \* 50 20 17.5N \* \* \* \* \* \* \* 50 50 \* \* \* \* \* \* \* 16.5N \* \* \* \* 15.5N \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 14.5N \* \* \* \* \* \* \* \* \* \* \* \* \* 13.5N \* \* \* \* \* 12.5N \* \* × \* \* \* \* \* \* \* \* \* \* \* 11.5N \* \* \* \* \* \* \* \* \* 10.5N \* \* \* \* \* \* \* 9.5N \* \* \* \* \* \* \* \* \* \* \* 8.5N \* × 7.5N \* \* \* \* \* \* \* \* \* 6.5N \* \* \* \* \* \* \* C \* \* \* \* \* \* 5.5N \* 4.5N \* \* \* \* \* \* \* \* \* 0 3.5N \* \* \* \* \* \* \* \* \* \* \*

\*

\*

\*

\*

本

\*

2.5N

1.5N

0.5N

\*

\*

\*

\*

\*

\*

\*

\*

\*

\*

\*

\*

\*

\*

×

\*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE 95.5 94.5 93.5 85.5 86.5 87.5 88.5 89.5 90.5 91.5 92.5 84.5 \* \* \* \* \* 0.55 \* \* \* \* \* \* \* \* \* \* \* \* 1.55 \* \* \* \* \* 2.55 \* \* \* \* \* 3.5\$ \* \* \* \* \* \* \* 4.55 \* \* \* \* \* \* 5.55 \* \* \* \* \* 6.5S \* \* \* \* \* \* \* \* \* 7.55 \* \* \* \* \* \* \* 8.55 \* \* \* \* \* \* \* \* \* \* \* \* 9.55 \* \* \* \* # \* \* 10.55 \* \* \* \* \* \* \* \* \* \* 11.55 \* \* \* \* \* \* \* \* \* \* \* \* 12.55 \* \* \* \* \* \* \* \* \* 13.55 \* \* \* \* \* 14.55 \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 15.55 \* \* \* \* \* \* \* \* \* \* 16.55 \* \* \* \* \* \* \* \* \* 17.55 \* \* \* \* \* \* \* \* \* \* 18.55 \* \* \* \* \* \* \* \* 19.55 \* \* \* \* \* \* \* \* \* \* \* 20.55 \* \* \* \* \* \* \* 21.58 \* \* \* \* \* \* \* \* 22.5S \* \* \* \* \* \* \* \* \* \* \* \* \* 23.55 \* \* 24.5\$ \* \* \* \* \* \* \* \* \* 25.5S \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 26.55 \* \* \* \* \* \* \* 27.55 \* \* \* \* \* \* \* \* \* \* 28.55 \* \* \* \* \* \* \* 29.58 \* \* \* \* \* \* 30.5S \* \* \* \* \* \* \* \* \* \* \* \* \* \* 31.55 \* \* \* \* \* \* \* \* \* 32.55 \* \* \* 33.55 \* \* \* \* \* \* \* 34.5S \* \* \* 35.5S \* \* \* \* \* 36.55 \* \* \* \* \* \* \* \* \* \* \* 37.55 \* \* \* \* \* \* \* 38.55 \* \* \* \* \* \* \* 39.55 \* \* \* \* \* \* 40.55 \* \* \* 41.55 42.5S \* \*

\*

\*

\*

\*

43.55

44.55

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE 95.5 85.5 87.5 90.5 91.5 92.5 93.5 94.5 86.5 88.5 89.5 \* \* \* \* \* \* \* 45.55 \* ¥ \* \* \* \* \* \* \* \* \* \* \* \* 46.55 \* \* \* \* \* \* \* 47.55 \* \* \* \* \* \* \* \* \* \* 48.55 \* \* \* \* \* \* \* 쑈 \* \* \* \* 49.55 \* \* \* \* 50.55 \* \* \* \* \* \* \* \* \* \* 51.55 \* \* \* \* \* \* \* \* \* \* \* 52.55 \* \* \* \* \* \* 53.5\$ \* \* \* \* \* \* \* \* \* 森 \* \* 54.55 × \* \* \* \* \* \* \* \* \* \* 55.58 \* \* \* \* \* \* \* \* \* \* \* \* 56.55 \* \* \* \* \* \* \* \* 57.58 # \* \* \* \* \* \* \* 58.5S \* \* \* \* 59.55 \* \* \* \* \* \* \* \* \* \* \* \* \* 60.5\$ \* \* \* \* \* \* \* \* 61.55 \* # \* \* \* \* 62.55 \* \* \* \* \* \* \* 63.5\$ \* \* \* \* \* \* \* 64.55 \* \* \* \* \* \* \* \* \* \* \* \* 65.5S 10 10 10 17 5 5 5 9 10 10 66.55 6 10 142 142 67.55 72 85 95 105 115 122 127 135 145 147 212 210 68.55 162 175 185 197 197 192 197 212 217 192 257 69.55 217 222 227 230 230 237 252 262 267 267 262 7C.5S 258 262 266 270 272 274 276 278 280 282 284 286 71.55 298 310 310 310 310 310 302 306 310 310 310 310 330 330 330 72.5S 314 316 318 320 322 324 326 328 330 340 340 340 73.55 324 326 328 330 334 336 338 340 332 350 350 350 350 74.55 334 344 346 348 336 338 340 342 360 360 75.55 356 360 360 334 336 338 340 344 348 352 76.55 376 374 374 380 378 344 346 348 350 356 368 362 374 378 376 77.55 376 380 348 352 356 360 364 368 372 378 380 378 376 374 78.55 364 366 368 370 372 374 376 380 378 376 374 79.55 380 380 380 380 380 380 380 380 377 80.55 390 389 388 387 386 385 384 383 382 381 380 81.5\$ 390 389 387 385 383 381 379 377 375 373 371 368 349 371 357 355 353 351 82.55 369 367 365 363 361 359 83.55 359 347 345 343 341 339 360 357 355 353 351 349 339 333 332 331 330 329 84.55 341 338 337 336 335 334 320 319 323 322 321 85.55 330 329 328 327 326 325 324 312 311 310 310 86.55 320 319 318 317 316 315 314 313 299 290 298 300 87.55 290 291 292 294 295 296 297 293

88.55

89.55

290

290

290

290

290

290

290

290

290

290

290

290

290

290

290

290

290

290

290

290

290

290

290

290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

96.5 97.5 98.5 99.5 100.5 101.5 102.5 103.5 104.5 105.5 106.5 107.5

89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*		
85.5N	*	*	*	*	*	*	*	*	*	*	*	* *
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	0	*	*	*	*	*	*	*	*	*	*	*
79.5N	26	35	24	13	*	*	*	*	*	*	*	*
78.5N	*	*	2	9	16	23	30	20	10	*	*	*
77.5N	*	*	*	*	1	3	5	3	1			10
76.5N	*	*	0	5	10	15	20	18	16	14	12	30
75.5N	18	20	20	20	20	20	20	22	24	26	28	
74.5N	20	20	18	16	14	12	10	10	10	10 7	10	10 5
73.5N	12	10	10	10	10	10	10	9	8		6 18	20
72 • 5N	10	10	10	10	10	10	10	12	14	16	10	10
71.5N	20	20	18	16	14	12	10	10	10	10	20	20
70.5N	20	20	20	20	20	20	20	20	20	20 40	40	20 37
69.5N	40	42	47	47	42	35	26	26	35 37	32	37	40
68.5N	72	62	47	37	32	27	22	22	27 35	40	40	40
67.5N	47	47	42	35	25	20	20	25	35	40	40	40
66.5N	32	30	30	32	37	35	25	25	40	40	40	40
65.5N	31	30	30	30	30	32	37	40	40	47	42	37
64.5N	20	20	20	20	20	25	35	42	40	37	32	32
63.5N	32	32	37	40	40	40	40	40	40 42	40	40	40
62.5N	47	50	50	47	42	42	47 47	47 52	42 57	55	45	40
61.5N	32	32	37	<b>4</b> 0	40	42	37	42	47	47	42	40
60.5N	45	37 52	32	30 30	30	32	37	40	40	37	32	35
59.5N	60	52	37 37		30	32	39	40	40	37	32	32
58.5N	32	32	3 <b>7</b>	39	36 27	36 32	37 37	42	47	47	42	45
57.5N	20	20 30	20 30	22 32	27 37	32 42	47	52	57	55	45	50
56.5N	30	42	47	32 49	31 46	42 45	45	51	64	67	62	60
55.5N 54.5N	40 82	42 77	72	62	40 47	45 45	55	57	52	55	65	65
	150	145	115	90	70	55	45	50	70	75	65	56
53.5N 52.5N	105	122	147	150	130	102	67	52	57	52	37	42
51.5N		122			167	152	117	90	70	67	82	90
50.5N	107 152	152	147 137	162 127	122	117	112	105	95	87	82	82
49.5N	160	180	180	160	150	120	100	90	90	80	100	150
49.5N 48.5N	180	180	180	170	170	160	110	100	90	110	120	170
48.5N 47.5N	160	200	200	190	190	170	150	130	110	120	150	150
47.5N 46.5N	190	200	200	200	200	200	190	190	180	170	160	150
	160	180	170	160	180	200	190	190	180	170	150	120
45.5N	100	100	110	100	100	200	1 7 0	170	100	- · ·	- >-	

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

96.5 97.5 98.5 99.5 100.5 101.5 102.5 103.5 104.5 105.5 106.5 107.5

	70.0	7143	70.7	7747	100.5	101.5	102.5	103.3	104.7	107.7	10047	10107
0.58	*	*	*	*	160	40	20	0	0	*	*	*
1.58	*	*	*	*	0	230	30	20	0	5	*	*
2.55	*	*	*	*	*	220	15C	60	5	0	0	1
3.55	*	*	*	*	*	0	210	140	40	5	*	*
4.55	*	*	*	*	*	*	0	260	200	5	*	*
5.58	* .	*	*	*	*	*	*	*	120	5	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	16	10
7.55	*	*	*	*	*	*	*	*	*	*	*	0
8.55	*	*	*	*	*	*	*	*	*	*	*	*
9.55	*	*	*	*	*	*	*	*	*	*	*	*
10.55	*	*	*	*	*	*	*	*	*	*	*	*
11.55	*	*	*	*	*	*	*	*	*	*	*	*
12.55	*	*	*	*	*	*	*	*	*	*	*	*
13.55	*	*	*	*	*	*	*	*	*	*	*	*
14.55	*	*	*	*	*	*	*	•	*	*	*	*
15.55	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.55	*	*	*	*	*	*	*	*	*	*	*	*
11.55	*	*	*	*	*	*	*	*	*	*	*	*
18.55	*								*	*	*	*
19.55		*	*	*	*	*	*	*	*	*	*	<del>*</del>
20.55	*	*	*	*	*	*	*	*			*	
21.55	*	*	*	*	*	*	*	*	*	*		*
22.55	*	*	*	*	*	*	*	*	*	*	*	*
23.55	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.58	*	*	*	*	*	*	*	*	*	*	*	*
26.55	*	*	*	*	*	*	*	*	*	*	*	*
27.55	*	*	*	*	*	*	*	*	*	*	*	*
28.55	*	*	*	*	*	*	*	*	*	*	*	*
29.58	*	*	*	*	*	*	*	*	*	*	*	*
30.55	*	*	*	*	*	*	*	*	*	*	*	**
31.58	*	*	*	*	*	*	*	*	*	*	*	*
32.58	*	*	*	*	*	*	*	*	*	*	*	*
33.55	*	*	*	*	*	*	*	*	*	*	*	*
34.55	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.55	*	*	*	*	*	*	*	*	*	*	*	*
37.55	*	*	*	*	*	*	*	*	*	*	*	*
38.5\$	*	*	*	*	*	*	*	*	*	*	*	<b>#</b>
39.55	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.55	*	*	*	*	*	*	*	*	*	*	*	*
42.55	*	*	*	*	*	*	*	*	*	*	*	*
43.55	*	*	*	*	*	*	*	*	*	*	*	*
44.55	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE 99.5 100.5 101.5 102.5 103.5 104.5 105.5 106.5 107.5

97.5

98.5

96.5

89.55

\* \* \* 45.55 \* \* \* \* \* \* \* \* \* \* \* \* 46.55 \* \* \* 47.55 \* \* \* 48.5S \* \* \* \* \* 49.5S \* \* \* \* 坎 \* \* \* \* 50.55 \* \* 51.5S \* \* \* # \* \* \* **本** \* \* \* 52.55 \* \* \* \* \* \* \* 53.55 \* \* \* \* 54.5S \* \* \* \* \* \* \* \* \* \* \* 55.58 \* \* \* \* 本 \* \* \* 56.58 \* \* \* \* \* \* \* 57.58 \* \* \* \* \* \* 58.55 \* \* \* \* \* \* \* 59.5S \* \* \* \* \* \* 60.55 \* \* \* \* \* 61.55 \* \* 62.55 \* \* \* \* \* \* \* \* \* \* \* \* \* 63.55 \* \* \* \* \* \* \* 64.55 \* 65.5S \* \* \* 66.55 67.55 68.55 69.5S 70.55 71.55 72.55 73.55 74.55 75.55 76.55 77.55 78.55 79.55 80.5\$ 81.55 82.5\$ 83.55 84.55 85.55 86.55 87.55 88.55 

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

108.5 109.5 110.5 111.5 112.5 113.5 114.5 115.5 116.5 117.5 118.5 119.5

89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	#	*	*	*	*	*	#	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	**.	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	**	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	本
78.5N	*	*	*	*	*	*	*	*	*	*	* '	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	7	5	2	*	*	*	*.	*	*	*	*	*
75.5N	26	22	18	14	10	5	*	*	*	*	*	*
74.5N	8	5	*	*	*	*	*	*	*	*	*	*
73.5N	6	7	8	9	10	9	8	6	5	4	*	*
72.5N	18	16	14	12	10	10	10	9	9	9	11	13
71.5N	12	14	16	18	20	20	20	20	20	20	20	20
70.5N	20	20	20	20	20	22	24	26	28	3 C	28	26
69.5N	32	32	37	39	36	34	31	27	22	20	20	20
68.5N	40	37	32	30	30	30	30	27	22	20	20	20
67.5N	40	40	40	37	32	32	37	40	40	37	32	27
66.5N	40	40	40	40	40	40	40	40	40	37	32	27
65.5N	40	40	40	40	40	37	32	30	30	27	22	20
64.5N	32	30	30	27	22	20	20	20	20	20	20	20
63.5N	37	37	32	27	22	20	20	20	20	20	20	20
62.5N	40	37	32	30	30	27	22	20	20	20	20	20
61.5N	40	42	47	50	50	47	42	37	32	30	30	31
60.5N	40	40	40	40	40	37	32	30	30	30	30	30
59.5N	45	47	42	40	40	47	62	62	47	37	32	31
58.5N	37	40	40	42	47	62	87	95	85	75	65	57
57.5N	55	65	75	80	80	80	80	82	87	87	82	77
56.5N	70	82	87	92	97	97	92	90	90	90	90	90
55.5N	60	72	97	115	125	122	107	90	70	67	82	87
54.5N	55	45L	95	107	102	95	85	80	80	77	72	72
53.5N	45L	59	86	97	92	92	97	97	92	85	75	65
52.5N	67	82	87	92	97	95	85	77	72	67	62	65
51.5N	90	87	82	80	80	77	72	72	77	80	80	80
50.5N	87	90	90	87	82	77	72	72	77	77	72	72
49.5N	130	150	160	100	90	90	80	70	70	70	50	60
48.5N	190	160	150	130	110	90	80	80	70	70	70	85
47.5N	160	150	120	100	90	80	90	80	70	70	80	90
46.5N	140	120	100	100	100	100	110	100	80	70	75	100
45.5N	110	100	100	90	90	100	120	120	100	90	90	100

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

108.5 109.5 110.5 111.5 112.5 113.5 114.5 115.5 116.5 117.5 118.5 119.5 70 110 130 100 90 90 80 90 100 120 130 120 44.5N 70 50 100 100 100 130 150 120 43.5N 100 100 100 100 90 40 200 42.5N 120 150 150 140 150 150 170 180 190 120 80 41.5N 190 190 190 200 170 160 140 100 62 200 20 20 40 70 120 60 40.5N 110 110 110 150 170 180 10 10 0 150 100 30 20 39.5N 130 110 100 110 170 5 \* \* 30 20 10 38.5N 120 110 90 150 140 100 \* 10 20 10 10 37.5N 150 110 80 100 80 100 20 25 36.5N 180 100 100 130 70 20 20 20 50 60 70 40 0 190 50 20 20 20 30 35.5N 95 50 88 90 20 10 20 20 20 34.5N 80 40 80 90 21 50 20 20 20 10 5 6 33.5N 160 150 80 60 80 20 20 20 20 20 10 20 20 32.5N 70 50 60 40 20 50 20 42 20 10 31.5N 110 110 140 80 18 40 50 60 30.5N 70 20 20 20 19 40 50 38 70 80 30 20 40 28 50 50 30 60 29.5N 50 100 40 21 20 40 20 70 70 50 45 40 18 40 28.5N 80 50 50 21 55 50 40 30 90 60 70 40 45 27.5N 60 60 40 20 90 40 30 50 26.5N 52 50 70 70 40 70 55 50 20 70 70 60 25.5N 50 50 60 60 70 50 55 30 40 0 \* 24.5N 30 40 40 80 50 130 65 65 \* \* 23.5N 30 20 30 30 40 40 60 20 0 20 \* \* 70 30 0 0 \* \* 22.5N 40 40 50 \* \* \* \* \* 21.5N 5 10 20 0 \* \* \* \* \* 太 0 \* \* \* \* \* 20.5N 0 \* 0 \* \* \* \* \* \* 19.5N 30 10 \* \* \* \* \* \* \* \* 0 \* 18.5N 50 \* \* \* \* \* \* \* \* \* 17.5N \* \* \* \* \* \* \* \* \* \* \* \* \* 16.5N \* \* \* \* \* \* 10 \* \* \* \* \* \* 15.5N \* 50 \* \* \* \* 14.5N \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 13.5N 40 \* \* \* \* \* 12.5N 70 \* \* 11.5N \* \* \* 40 \* \* \* \* \* \* \* \* \* 10.5N \* \* \* \* \* \* \* \* \* 9.5N \* 文 \* \* \* \* \* \* 8.5N \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 7.5N \* \* \* \* \* \* 20 0 \* \* 6.5N \* \* \* \* \* \* 0 3 C 0 \* \* \* \* \* 140 \* \* 5.5N \* \* 4.5N \* \* \* \* \* \* 20 30 80 50 3.5N \* \* \* \* \* \* \* 40 80 100 80 \* \* \* 0 0 \* 2.5N \* 20 50 130 120 40 1.5N 90 \* \* 20 50 40 80 \* 60 80 120 80 80 110 100 70 55 2 0.5N 110 90 70

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
108.5 109.5 110.5 111.5 112.5 113.5 114.5 115.5 116.5 117.5 118.5 119.5

0.58 3 70 90 90 70 60 50 40 \* 1.55 \* \* 50 60 50 40 20 60 5 \* \* 120 2.55 \* 20 20 20 20 10 50 0 180 3.55 \* # \* \* 0 0 10 40 \* \* 20 4.55 \* \* \* \* \* \* \* \* \* 70 5.55 \* \* \* \* \* \* \* \* 0 6.55 5 \* 20 10 0 0 \* \* \* \* 7.55 20 22 25 22 20 3 救 \* \* 8.55 \* \* \* \* 本 \* 0 \* 2 5 9.58 \* \* \* \* \* \* \* \* \* 10.55 \* \* \* \* \* \* \* \* 11.55 \* \* \* \* \* \* \* \* \* 12.55 \* \* \* \* \* \* \* \* \* 13.55 \* \* \* \* \* \* \* \* \* \* 14.55 \* \* \* \* \* \* \* \* \* \* \* 15.58 \* \* **x**: \* \* \* \* \* \* \* 16.55 \* \* \* \* \* \* \* \* \* \* 17.55 \* \* \* \* \* \* \* \* 18.55 \* \* \* \* \* \* \* \* \* \* 19.55 \* \* \* \* \* \* \* \* \* 20.55 \* \* \* \* \* \* 0 0 5 20 21.55 \* \* \* \* \* \* 5 40 40 40 30 22.55 \* \* \* \* 8 20 40 50 60 40 23.55 \* \* \* \* 10 20 40 40 32 40 24.55 \* \* \* 0 10 20 30 40 40 50 25.55 # \* \* \* \* 5 20 40 40 40 40 26.55 \* \* \* 0 10 20 35 40 40 40 27.55 \* \* \* \* \* 10 20 30 30 40 40 28.55 \* \* \* \* \* 0 20 30 30 40 40 29.55 \* \* \* \* \* \* 20 20 30 30 30 30.55 \* \* \* 本 \* \* 20 20 20 30 30 31.58 \* \* \* \* \* \* 0 20 20 20 20 32.55 \* \* \* \* \* 0 30 20 20 20 33.55 \* \* \* \* \* 5 20 20 20 20 \* 34.55 \* \* \* \* \* \* 0 20 2 C 50 0 35.55 \* \* ×c ¥ \* \* \* \* \* \* \* 36.55 \* \* \* \* \* \* \* \* \* \* \* 37.55 \* \* \* \* \* \* \* \* \* 38.55 \* \* \* \* \* \* \* \* 39.55 \* \* \* \* \* \* \* \* 40.5S \* \* \* \* \* \* \* 41.55 # \* \* \* \* \* 42.55 \* \* \* \* \* \* 43.55 \* \* \* \* \* \* \* 44.55 本 \* \*

## TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE 108.5 109.5 110.5 111.5 112.5 113.5 114.5 115.5 116.5 117.5 118.5 119.5

\* 45.55 \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 46.5\$ \* \* 47.55 \* \* \* \* Χt \* \* \* \* 48.55 \* \* \* \* # 49.55 \* \* \* \* \* 50.5S \* ¥ \* \* 51.55 \* \* \* \* \* 52.58 \* \* \* \* 53.55 \* \* \* \* \* \* 54.55 太 \* \* \* \* \* \* \* \* 55.5S \* \* \* \* \* \* \* \* \* \* \* 56.55 \* \* 57.55 \* 58.55 \* \* \* \* \* \* \* \* 59.55 \* \* \* \* \* \* 60.55 ¥ \* \* \* \* \* 61.55 \* 62.55 \* \* 63.55 \* \* 本 **‡** \* \* 64.5S \* \* \* \* \* \* 65.55 \* \* \* \* \* \* \* \* \* 66.5S \* 67.55 68.55 69.55 70.55 71.55 72.55 73.55 74.55 75.55 76.55 77.55 78.55 79.55 80.5S 81.55 82.55 83.55 84.55 85.5S 3 C3 86.55 87.5S 88.55 89.55 

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

120.5 121.5 122.5 123.5 124.5 125.5 126.5 127.5 128.5 129.5 130.5 131.5

89.5N	*	*	*	*	*	*	*	*	*	*	*	*
98.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	. *	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	16	18	20	18	16	14	12	10	7	*	*	*
71.5N	20	20	20	20	20	20	20	20	19	19	18	18
70.5N	24	22	20	20	20	20	20	20	18	16	14	12
69.5N	20	20	20	20	20	22	27	30	30	27	22	20
68.5N	20	20	20	20	20	22	27	32	37	37	32	27
67.5N	22	20	20	20	20	22	27	32	37	35	25	20
66.5N	22	20	20	20	20	25	35	40	40	37	32	27
65.5N	20	20	20	17	12	15	25	42	67	70	50	40
64.5N	20	20	20	17	12	12	17	25	35	50	70	80
63.5N	20	20	20	20	20	20	20	20	20	20	20	20
62.5N	20	22	27	27	22	22	27	27	22	20	20	20
61.5N	34	35	35	31	24	20	20	20	20	20	20	20
60.5N	30	27	22	22	27	31	34	34	31	30	30	27
59.5N	34	42	5 <b>7</b>	61	54	47	42	40	40	40	40	37
58.5N	52	55	65	72	77	72	57	50	50	47	42	42
57.5N	72	75	85	92	97	94	82	69	56	47	42	42
56.5N	90	92	9 <b>7</b>	100	100	92	77	65	55	57	72	70
55.5N	82	82	87	87	82	82	87	92	97	102	107	102
54.5N	77	82	87	87	82	72	57	47	42	50	70	72
53.5N	55	50	50	47	42	40	40	42	47	57	72	75
52.5N	75	72	57	47	42	35	25	22	27	35	45	57
51.5N	80	82	87	85	75	57	32	22	27	40	60	65
50.5N	77	77	72	62	47	37	32	27	22	25	35	45
49.5N	70	30	90	50	40	40	50	40	30	20	30	40
48.5N	100	90	70	50	30	40	40	70	80	40	30	30
47.5N	100	90	40	30	30	40	40	50	70	60	30	20
46.5N	70	30	20	20	20	20	20	20	20	20	20	40
45.5N	<b>5</b> 0	40	20	20	20	20	20	20	20	30	80	40

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
120-5 121-5 122-5 123-5 124-5 125-5 126-5 127-5 128-5 129-5 130-5 131-5

	120.5	121.5	122.5	123.5	124.0	123.3	120.5	121.5	12000	12707	13043	13143
44.5N	30	20	20	20	20	20	20	80	90	30	70	50
43.5N	20	20	20	20	20	20	50	70	100	60	70	40
42.5N	40	40	20	20	70	80	75	70	160	50	0	*
41.5N	50	10	10	40	90	70	50	140	120	70	*	*
40.5N	30	*	30	70	60	50	130	130	100	*	*	*
39.5N	* .	0	0	*	*	50	120	30	*	*	*	*
38.5N	*	*	*	*	*	40	65	110	30	*	*	*
37.5N	0	0	*	*	*	*	0	20	130	30	*	*
36.5N	20	*	*	*	*	*	0	70	80	0	*	*
35.5N	*	*	*	*	*	*	*	70	30	0	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	0
33.5N	0	*	*	*	*	*	0	*	*	0	40	10
32.5N	3	0	*	*	*	*	*	*	*	*	25	.30
31.5N	3	10	*	*	*	*	*	*	*	*	0	*
30.5N	0	*	*	*	*	*	*	*	*	*	*	* .
29.5N	40	28	*	*	*	*	*	*	*	*	*	*
28.5N	60	9	*	*	*	*	*	*	*	*	*	*
27.5N	10	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	#	*	*	*	*	*	*	*	*	*
24.5N	0	70	*	*	*	*	*	*	*	*	*	*
23.5N	50	70	*	*	*	*	*	*	*	*	*	*
22.5N	0	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	#	*	*	• ,	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	0	*	*	*	*	*	*	*	*	*	*
17.5N	70	140	*	*	*	*	*	*	*	*	*	*
16.5N	100	130	*	*	*	*	*	*	*	*	*	*
15.5N	60	50	*	*	*	*	*	*	*	*	*	*
14.5N	0	20	*	*	*	*	*	*	*	*	*	*
13.5N	*	20	0	0	*	*	*	*	*	*	*	*
12.5N	*	O	*	Ū	0	*	*	*	*	*	*	*
11.5N	*	*	0	*	0	*	*	*	*	*	*	*
10.5N	*	*	*	5	*	*	*	*	*	*	*	*
9.5N	*	*	*	0	*	*	*	*	*	*	*	*
8 • 5N	*	*	*	0	2	70	*	*	*	*	*	*
7.5N	*	*	*	*	50	70	*	*	*	*	*	*
6.5N	*	*	*	*	60	0	*	* *	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	#
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	0	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE
120.5 121.5 122.5 123.5 124.5 125.5 126.5 127.5 128.5 129.5 130.5 131.5

	120.5	121.5	122.5	123.5	124.5	123.5	120.5	12107	12000	12747	13003	
0.58	*	*	*	*	*	*	*	0	*	*	*	*
1.55	140	100	0	*	*	*	*	*	*	. *	*	20
2.55	150	80	*	*	*	*	*	*	*	*	*	*
3.55	*	100	0	*	*	*	0	*	*	*	0	*
4.55	*	*	10	*	*	*	*	*	*	*	*	*
5.58	*	*	*	*	*	*	*	*	*	*	*	*
6.55	*	*	*	*	*	*	*	*	*	*	*	*
7.55	*	*	*	*	*	*	*	*	*	*	*	*
8.55	3	*	*	*	*	*	*	*	*	*	*	*
9.55	*	*	*	*	0	*	*	*	*	*	*	*
10.55	*	*	*	*	*	*	*	*	. *	*	*	*
11.55	*	*	*	*	*	*	*	*	*	*	0	0
12.55	*	*	*	*	*	*	*	*	*	*.	0	10
13.58	*	*	*	*	*	*	*	*	*	*	8	20
14.5S	*	*	*	*	*	0	20	20	*	0	20	20
15.58	*	*	*	*	0	30	50	40	30	20	20	20
16.55	*	*	*	0	30	50	50	50	30	28	30	20
17.55	*	*	10	10	20	40	40	50	50	30	-30	30
18.55	*	*	10	20	20	20	40	50	40	30	30	30
19.55	*	10	20	20	30	30	30	20	20	30	30	30
20.55	20	20	30	30	30	30	20	20	40	40	40	40
21.55	30	30	30	30	40	40	30	30	40	40	40	50
22.5S	40	50	40	40	40	50	50	40	40	50	50	50
23.58	50	50	40	50	50	50	50	40	40	40	50	50
24.5S	50	50	50	50	50	50	50	40	30	40	40	50
25.5S	40	50	50	50	50	50	50	40	30	40	40	40
26.5\$	40	50	50	50	50	50	50	40	30	40	40	40
27.55	40	40	40	40	50	40	40	30	30	40	30	30
28.58	40	40	40	40	40	30	30	30	20	30	30	30
29.5\$	30	30	30	30	30	30	20	20	20	20	20	20
30.55	30	30	30	30	20	20	20	20	10	10	20	20
31.55	20	20	20	20	20	20	6	5	4	0	5	10
32.55	20	20	20	20	5	0	*	*	*	*	*	*
33.5\$	10	10	15	30	*	*	*	*	*	*	*	*
34.58	*	*	*	*	*	*	*	*	*	*	*	*
35.55	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.55	*	*	*	*	*	*	*	*	#	*	*	•
38.55	*	*	*	*	*	*	*	*	*	<b>∓</b>	*	*
39.55	*	*	*	*	*	*	*	<b>∓</b>	<b>∓</b>	<b>∓</b>	<b>₩</b>	*
40.55	*	*	*	*	*	*	*	*	<b>*</b>	<b>∓</b>	*	*
41.55	*	*	*	*	*	*	*	<b>∓</b>	<b>∓</b>	*	*	*
42.55	*	*		, <b>*</b>	*	<b>∓</b>	<b>*</b>	*	*	*	*	* *
43.55	*	*	*	*	*	*	*	*	* *	*	*	*
44.55	*	平	*	₹	*	#	₹	₹	*	*	•	•

## TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE 120.5 121.5 122.5 123.5 124.5 125.5 126.5 127.5 128.5 129.5 130.5 131.5

45.5S \* \* \* \* 46.55 \* \* \* \* \* \* \* \* \* \* 47.55 \* \* 48.55 \* 49.55 \* \* \* \* 50.5\$ \* 51.55 \* 52.55 \* \* 53.5\$ \* \* \* \* 54.55 \* 55.5S \* \* 56.5S \* 57.55 58.55 \* \* \* \* 59.55 \* 60.55 \* \* 61.55 62.55 63.55 \* \* 64.5S \* \* \* \* 65.55 \* 66.55 \* \* \* \* \* 67.55 68.55 69.5S 70.55 71.58 26C 72.55 73.55 74.55 75.55 76.55 77.55 78.55 79.55 80.55 81.55 82.55 83.55 84.55 85.55 86.55 87.55 30C 88.5S 89.55 

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE
132.5 133.5 134.5 135.5 136.5 137.5 138.5 139.5 140.5 141.5 142.5 143.5

89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	**	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	故	2	3	4	5	6	7	6
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	17	16	16	15	15	14	13	12	12	11	10	10
70.5N	10	12	14	16	18	20	20	20	20	20	20	20
69.5N	20	20	20	25	35	37	32	27	22	20	20	20
68.5N	22	20	20	27	42	47	42	35	25	20	20	20
67.5N	20	20	20	20	20	22	27	30	30	27	22	20
66.5N	22	20	20	20	20	25	35	40	40	37	32	40
65.5N	40	40	40	40	40	52	77	85	75	62	47	40
64.5N	80	85	95	95	85	85	95	92	77	62	47	42
63.5N	20	30	50	62	67	87	122	122	87	70	70	77
62.5N	20	20	20	30	50	72	97	110	110	110	110	107
61.5N	20	20	20	25	35	42	47	65	95	107	102	100
60.5N	22	20	20	27	42	52	57	67	82	80	60	50
59 • 5N	32	27	22	27	42	55	65	65	55	42	27	19
58.5N	47	46	39	39	46	60	80	80	60	35	*	*
57.5N	47	47	42	42	47	55	65	50	*	*	*	*
56.5N	50	44	51	54	51	42	27	12	*	*	*	*
55.5N	87	80	80	69	46	24	*	*	*	*	*	*
54.5N	57	45	35	21	4	*	*	*	*	*	*	*
53.5N	65	65	75	65	35	20	20	17	12	*	3	*
52.5N	72	82	87	75	45	27	22	17	12	10	10	*
51.5N	55	50	50	42	27	22	27	31	34	36	39	*
50.5N	55	60	60	52	37	36	49	57	61	64	68	47
49.5N	40	30	30	30	20	30	90	50	0	*	50	20
48.5N	20	20	20	20	40	100	80	50	*	*	10	*
47.5N	20	20	20	30	60	100	60	*	*	*	10	*
46.5N	40	20	20	35	50	8 C	*	*	*	*	0	0
45.5N	20	20	30	50	70	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE
132.5 133.5 134.5 135.5 136.5 137.5 138.5 139.5 140.5 141.5 142.5 143.5

44.5N	20	20	30	70	*	*	*	*	*	*	60	0
43.5N	30	60	40	*	*	*	*	*	*	C	110	130
42.5N	*	*	*	*	*	. *	*	*	0	0	C	0
41.5N	*	*	*	*	*	*	*	*	0	*	*	* .
40.5N	*	*	*	*	*	*	*	*	40	0	*	*
39.5N	*	*	*	*	*	*	*	*	60	50	*	*
38.5N	*	*	*	*	*	*	*	0	50	0	*	*
37.5N	*	*	*	*	*	*	4	80	50	*	*	*
36.5N	*	*	*	*	50	100	90	70	0	*	*	*
35.5N	*	0	10	0	60	70	70	2	0	*	*	*
34.5N	20	20	10	20	20	*	*	*	*	*	*	*
33.5N	0	10	*	*	*	*	*	*			*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*		*	<b>*</b>	*
28.5N	*	*	*	*	*	*	*	*	*	•	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*		*	*	*	*	*	*	*	*	*	*
25.5N	*	*	. *	*	*	*	*			*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N		*	*		*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*		*	*	*	*	*	*	*
20.5N 19.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6 • 5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	**	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2 • 5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	· <b>*</b>
0 = 214	•	~	-	4	•	~	•	-	-	•		•

. ...

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

132.5 133.5 134.5 135.5 136.5 137.5 138.5 139.5 140.5 141.5 142.5 143.5

0.58	10	*	*	*	*	*	*	*	*	*	*	*
1.55	20	80	*	*	*	1	*	*	*	*	*	*
2.58	5	10	0	*	0	89	100	90	5	*	*	*
3.5\$	*	20	100	180	300	290	270	150	90	90	50	20
4.58	*	*	*	0	130	240	280	320	380	220	120	90
5.5S	*	*	*	* "	*	0	10	20	60	110	100	180
6.5S	*	*	0	*	*	*	0	4	20	20	30	80
7.58	*	*	*	*	*	*	0	4	9	10	10	10
8.5\$	*	*	*	*	*	*	*	*	0	5	5	*
9.5\$	*	*	*	*	*	*	*	*	*	0	0	*
10.58	*	*	*	*	*	*	*	*	*	*	0	0
11.58	0	0	0	*	*	*	*	*	*	*	2	*
12.55	10	20	20	10	5	*	*	*	*	*	5	*
13.55	20	20	20	20	*	*	*	*	*	C	10	0
14.55	20	20	20	10	*	*	*	*	*	0	10	20
15.58	20	20	20	10	0	*	*	*	*	0	10	20
16.55	20	20	20	20	10	0	*	*	*	2	10	20
17.55	30	20	20	20	20	10	9	3	0	8	10	20
18.55	30	30	30	20	20	20	20	10	10	10	10	20
19.58	40	40	40	30	30	30	20	20	20	20	20	30
20.55	40	40	40	40	40	30	30	20	20	20	20	30
21.55	50	60	50	50	40	30	30	20	20	20	20	30
22.55	74	80	60	40	30	30	20	20	20	20	20	30
23.55	70	69	40	20	20	20	20	20	20	20	20	20
24.58	50	40	25	20	20	20	20	20	20	20	20	20
25.5S	40	30	20	20	20	20	10	10	20	20	20	20
26.55	40	30	20	20	10	10	10	10	20	20	20	20
27.55	30	30	20	20	10	10	10	10	20	20	20	20
28.55	30	30	20	20	10	11	10	10	20	20	20	20
29.58	20	20	20	20	20	20	20	30	20	20	20	20
30.55	20	20	20	20	20	10	67	35	20	20	20	10
31.5\$	20	20	20	10	20	10	40	20	20	10	10	10
32.5\$	*	*	10	20	20	20	60	40	20	20	10	10
33.55	*	*	0	5	10	5	50	50	20	10	10	10
34.55	*	*	*	5	*	Ō	*	20	. 20	10	10	10
35.58	*	*	*	*	0	Ö	10	5	8	8	10	10
36.55	*	*	*	*	*	*	*	*	3	8	20	20
37.55	*	*	*	*	*	*	*	*	2	10	30	30
38.55	*	*	*	*	*	*	*	*	*	*	*	20
39.5\$	*	*	*	*	*	*	*	*	*	*	*	*
40.55	*	*	*	*	*	*	*	*	*	*	*	*
41.55	*	*	*	*	*	*	*	*	*	*	*	*
42.55	*	*	*	*	*	*	*	*	*	*	*	*
43.5\$	*	*	*	*	*	*	*	*	*	*	*	*
44.55	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

132.5 133.5 134.5 135.5 136.5 137.5 138.5 139.5 140.5 141.5 142.5 143.5

45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.55	*	*	*	*	*	*	*	*		<b>T</b>	*	*
47.55	<b>*</b>	*	*	*	*	*	*	*	*	*	*	*
48.55	*	*	<b>*</b>	*	*	*	*	*	*	*	*	*
49.55	*	*	*	*	*	*	*	* *	*	*	*	*
50.55	* .	*	*	*	*	*	*	*	*	*	*	*
51.55	*	*	*	*	**	*	*	*	*	*	*	*
52.5S	*	*	*		*	*	*	*	*	*	*	*
53.58	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	#	*	*
56.5S	*	*	*	* *	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5\$ 59.5\$	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.55	*	*	*	*	*	*	*	*	*	*	*	*
62.55	*	*	*	*	*	*	*	*	*	*	*	*
63.5\$	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.58	*	*	*	*	*	*	*	*	*	*	*	*
66.55	67	70	70	65	55	42	27	17	12	*	*	*
67.5\$	152	160	160	160	160	160	160	150	130	107	82	65
68.55	205	212	217	220	220	217	212	200	180	157	132	115
69.55	237	240	240	240	240	240	240	232	217	202	187	172
70.55	250	250	250	250	250	250	244	238	232	226	220	210
71.55	260	260	260	260	260	260	256	252	248	244	240	232
72.55	270	268	266	264	262	260	256	252	248	244	240	238
73.55	270	268	266	264	262	260	258	256	254	252	250	246
74.55	280	278	276	274	272	270	268	266	264	2 <b>62</b>	260	256
75.55	280	280	280	280	280	280	278	276	274	272	270	266
76.55	290	288	286	284	282	280	278	276	274	272	270	266
77.55	280	278	276	274	272	270	268	266	264	262	260	258
78.55	280	2 <b>7</b> 8	275	274	272	270	268	266	264	262	260	256
79.55	280	276	272	268	264	260	256	252	248	244	240	238
80.5S	260	256	252	249	247	245	243	241	239	237	235	233
81.58	267	264	261	258	254	250	246	242	238	234	230	226
82.55	272	271	270	268	265	262	259	256	253	250	247	244
83.55	275	273	271	269	267	265	263	261	259	257	255	253
84.5S	282	281	280	279	277	275	273	271	269	267	265	263
85.55	290	290	290	289	288	287	286	285	284	283	282	281
86.55	290	290	290	289	288	287	286	285	284	283	282	281
87.55	300	300	300	300	300	300	300	300	300	300	300	300
88.55	300	300	300	300	300	300	300	300	300	300	300	300
89 <b>.</b> 5S	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

144.5 145.5 146.5 147.5 148.5 149.5 150.5 151.5 152.5 153.5 154.5 155.5

89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	. *
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	4	3	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	, <b>*</b>	*	*	*	*	*	*	*	*	*
71.5N	10	10	10	10	8	6	*	*	*	*	*	*
70.5N	20	20	20	20	20	20	20	20	20	18	16	14
69.5N	20	20	20	20	20	20	20	20	20	20	20	17
68.5N	20	20	20	20	20	20	20	20	20	17	12	10
67.5N	21	26	35	42	47	45	35	27	22	20	20	20
66.5N	60	75	85	85	75	60	40	27	22	22	27	32
65.5N	40	55	85	90	70	50	30	20	20	22	27	40
64.5N	47	62	87	97	92	77	52	37	32	30	30	32
63.5N	92	100	100	100	100	97	92	77	52	42	47	55
62.5N	102	100	100	97	92	80	60	52	57	65	75	85
61.5N	100	102	107	105	95	87	82	82	87	92	97	82
60.5N	50	55	65	72	77	82	87	90	90	80	60	35
59.5N	16	14	11	12	15	18	22	25	28	29	26	24
58.5N	*	*	*	*	*	*	*	*	*	*	*	*
57.5N	*	*	*	*	*	*	*	*	*	*	*	*
56.5N	*	*	*	*	*	*	*	*	*	*	*	*
55.5N	*	*	*	*	*	*	*	* .	*	*	*	5
54.5N	*	*	*	* -	*	*	*	*	*	*	*	2
53.5N	*	*	*	*	*	*	*	*	*	*	*	*
52.5N	*	*	*	*	*	*	*	*	*	*	*	*
51.5N	*	*	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	0	*	*	*	*	*	*	*	*	*	*	*
48.5N	*	*	후	*	*	*	*	*	*	*	*	*
47.5N	*	*	*	*	*	*	*	*	*	*	*	<b>*</b> ;
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	*	*	*	*	*	*	*	*	*

## TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE 144.5 145.5 146.5 147.5 148.5 149.5 150.5 151.5 152.5 153.5 154.5 155.5

44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	50	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	#	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*		*	*	*	*	*	*
25.5N				*		*	*	*	*	*	*	*
24.5N	*	*	*		*	*			*	*	*	*
23.5N	*	*	*	* .	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*		*	*	*	*	*
21.5N	*	*	*	*	*	*	*			*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*		*	
18.5N	*	*	*	*	*	*	*	*	*	*	•	*
17.5N	*	*	*	*	*	*	*	* .	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

144.5 145.5 146.5 147.5 148.5 149.5 150.5 151.5 152.5 153.5 154.5 155.5

0.55	*	*	*	*	*	*	*	*	*	*	*	*
1.55	*	*	*	*	*	*	*	*	*	*	*	*
2.55	*	*	*	*	*	*	*	*	*	*	*	*
3.55	*	*	*	*	*	*	*	*	*	*	*	*
4.55	55	0 *	*	*	*	*	*	*	*	*	*	*
5.55	130	100	*	*	*	5	7	6	*	*	*	*
6.55	120	160	120	0	*	*	*	*	*	*	*	*
7.58	10	60	190	*	*	*	*	*	*	*	*	*
8.55	*	<b>*</b>	100	100	*	*	*	*	*	*	*	*
9.55	*	*	*	100	120	30	*	*	*	*	*	*
10.55	*	*	*	*	*	*	0	*	*	*	*	*
11.55	*	*	*	*	*	*	*	*	*	*	*	*
12.55	*	*	*	*	*	*	*	*	*	*	*	*
13.55	*	*	*	*	*	*	*	*	*	*	*	*
14.55	0	*	*	*	*	*	*	*	*	*	*	*
15.55	20	*	*	*	*	*	*	*	*	*	*	*
16.55	20	0	*	*	*	*	*	*	*	*	*	*
17.55	30	40	*	*	*	*	*	*	*	*	*	*
18.55	40	62	*	*	*	*	*	*	*	*	*	*
19.55	40	40	20	0	*	*	*	*	*	*	*	*
20.55	40	40	20	30	50	*	*	*	*	*	*	*
21.58	30	30	20	30	50	*	*	*	*	*	*	*
22.55	30	30	25	40	30	10	0	*	*	*	*	*
23.55	30	30	40	40	30	30	20	*	*	*	*	*
24.58	30	40	50	60	50	40	30	20	*	*	*	*
25.55	20	30	50	49	60	40	40	40	20	*	*	*
26.55	20	30	25	30	40	50	50	50	30	*	*	*
27.55	20	20	20	20	30	40	32	50	30	*	*	*
28.55	20	20	20	20	20	20	30	40	77	10	*	*
29.55	20	20	20	20	20	30	40	80	60	*	*	*
30.55	20	20	20	20	20	35	50	80	90	*	*	*
31.55	20	20	20	20	30	60	70	90	40	*	*	*
32.5\$	20	20	20	20	30	30	40	30	*	*	*	*
33.58	10	20	20	20	40	80	75	*	*	*	*	*
34.55	10	20	20	30	40	70	30	*	*	*	*	*
35.55	10	20	20	30	100	80	*	*	*	*	*	*
36.55	20	20	30	100	150	90	*	*	*	*	*	*
37.55	40	40	80	100	90	20	*	*	*	*	*	*
38.55	*	25	25	*	*	*	*	*	*	*	*	*
39.58	*	*	*	*	*	*	*	*	*	*	*	*
40.55	*	<b>*</b>	*	*	*	*	*	*	*	*	*	*
41.55	*	40	40	50	*	*	*	*	*	*	*	*
42.55	*	25	50	30	*	*	*	*	*	*	*	*
43.55	*	*	25	*	*	*	*	*	*	*	*	*
44.55	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
144.5 145.5 146.5 147.5 148.5 149.5 150.5 151.5 152.5 153.5 154.5 155.5

45.58	*	*	*	*	*	*	*	*	*	*	*	*
46.55	*	*	*	*	*	*	*	*	*	*	*	*
47.55	*	*	*	*	*	*	*	*	*	*	*	*
48.55	*	*	*	*	*	*	*	*	*	*	*	*
49.58	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.58	*	*	*	*	*	*	*	*	*	*	*	*
52.5\$	*	*	*	*	*	*	*	*	*	*	*	*
53 <b>.</b> 5S	*	*	*	*	*	*	*	*	*	*	*	*
54.58	*	*	*	*	*	*	*	*	*	*	*	*
55.58	*	*	*	*	*	*	*	*	*	*	*	*
56.55	*	*	*	*	*	*	*	*	*	*	*	*
57.58	*	*	*	*	*	*	*	*	*	*	*	*
58.55	*	*	*	*	*	*	*	*	*	*	*	*
59.55	*	*	*	*	*	*	*	*	*	*	*	*
60.5\$	*	*	*	*	*	*	*	*	*	*	*	*
61.55	*	*	*	*	*	*	*	*	*	*	*	*
62.55	*	*	*	*	*	*	*	*	*	*	*	*
63.58	*	*	*	*	*	*	*	*	*	*	*	*
64.55	*	*	*	*	*	*	*	*	*	*	*	*
65.58	*	*	*	*	*	*	*	*	*	*	*	*
66.5\$	*	*	*	*	*	*	*	*	*	*	*	*
67.55	55	30	*	*	*	*	*	*	*	*	*	*
68.5S	105	87	62	42	27	20	20	17	12	*	*	*
69.5S	157	145	135	130	130	127	122	112	97	85	75	65
70.55	200	190	180	170	168	166	164	162	160	148	136	124
71.58	224	216	208	200	200	200	200	200	200	192	184	176
72.55	236	234	232	230	228	226	224	222	220	222	224	226
73.5S	242	238	234	230	228	226	224	222	220	220	220	220
74.55	252	248	244	240	238	236	234	232	230	226	222	218
75.5S	262	258	254	250	246	242	238	234	230	226	222	218
76.5S	262	258	254	250	246	242	238	234	230	228	226	224
77.5S	256	254	252	250	246	242	238	234	230	230	230	230
78.55	252	248	244	240	238	236	234	232	230	228	226	224
79.55	236	234	232	230	230	230	230	230	230	220	210	200
80.55	231	229	228	227	226	225	224	223	222	221	220	209
81.58	222	220	220	220	220	220	220	220	220	220	220	209
82.55	241	240	240	240	240	240	240	240	240	240	240	236
83 <b>.</b> 5S	251	249	248	247	246	245	244	243	242	241	240	240
84.55	261	259	258	2 <b>57</b>	256	255	254	253	252	251	250	250
85.58	280	278	275	272	269	266	263	260	257	254	251	250
86.55	280	280	281	282	283	284	285	286	287	288	289	289
87.55	300	300	300	300	300	300	300	300	300	300	300	300
88.55	300	300	301	302	303	304	305	306	307	308	309	310
89.58	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE
156.5 157.5 158.5 159.5 160.5 161.5 162.5 163.5 164.5 165.5 166.5 167.5

89.5N	***
87.5N	** * * * * * * * * * * * * * * * * * * *
86.5N	* * * * * * * * * * * * * * * * * * * *
85.5N	***
84.5N * * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * * *
83.5N	* * * * * * * * * * * * * * * * * * * *
82.5N * * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * * *
81.5N * * * * * * * * *	* * * * * * * * * * * * * * * * * * *
014314	* * *
O O S N	* * *
000011	* * *
79.5N * * * * * * * * * *	* *
78.5N * * * * * * * * *	* *
77.5N * * * * * * * * * *	•
76.5N * * * * * * * * *	* *
75.5N * * * * * * * * *	
74.5N * * * * * * * * *	* *
73.5N * * * * * * * * *	* *
72.5N * * * * * * * * *	* *
71.5N * * * * * * * * * *	* *
70.5N 12 10 7 4 * * * * *	* *
	0 10
	5 42
	5 65
	0 77
65.5N 60 62 47 37 32 40 60 77 92 87 6	2 45
	5 37
	1 22
	<b>5</b> 51
	7 60
60.5N * * * * * 3 21 35 45 45	5 27
59.5N 21 22 27 27 22 17 12 5 * *	* *
58.5N * * 5 20 40 36 * * *	* *
57.5N 12 22 27 37 52 36 * * * *	* *
56.5N 12 27 42 50 50 <b>32</b> * * *	* *
55.5N 35 50 50 52 57 * * * *	* *
54.5N 47 65 55 12 * * * * *	* *
53.5N 17 37 52 * * * * * *	* *
52 <sub>*</sub> 5N 32 * * * * * * * * *	* *
51.5N 2 * * * * * * * *	* *
50 <sub>*</sub> 5N * * * * * * * * * *	* *
49.5N * * * * * * * * *	* *
48.5N * * * * * * * * * * *	* *,
47.5N * * * * * * * * *	* *
46.5N * * * * * * * * *	* *
45 <sub>•</sub> 5N * * * * * * * * *	* *

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

156.5 157.5 158.5 159.5 160.5 161.5 162.5 163.5 164.5 165.5 166.5 167.5

44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	<b>sk</b>	*	*	*	*	*	*	*
33.5N	*	<b>*</b>	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	**	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	* .	*	*	, <b>⊤</b> *	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	**	*	*	*	*	*	*	· *	*	*
9.5N	*	*	**	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	± .	*	*	*	<b>.</b>	*	*
6.5N	*	*	*	*	*		<b>.</b>	<b>-</b>	•	<b>.</b>		•
5.5N	*	*	*	*	*	*	*	<b>.</b>	*	*	*	*
4.5N	*	*	*	*	*	*	*	<b>∓</b>		<b>∓</b>	*	*
3.5N	*	*	*	*	*	*	*	*	*	*		*
2.5N	*	*	*	*	*	*			*	*	*	*
1.5N	*	*	*	*	*		*	*	*	*	*	*
0.5N	*	*	*	*		*	*	*	*	*	*	*
U • DN	*	*	*	<b>*</b>	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

156.5 157.5 158.5 159.5 160.5 161.5 162.5 163.5 164.5 165.5 166.5 167.5

0.58	*	*	*	*	*	*	*	*	*	*	*	*
1.58	*	*	*	*	*	*	*	*	*	*.	*	*
2.55	*	*	*	*	*	*	*	*	*	*	*	*
3.58	*	*	*	*	*	*	*	*	*	*	*	*
4.55	*	*	*	*	*	#	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
	<b>+</b>	*	*	*	*	*	*	*	*	*	*	*
6.5\$									*	*	*	*
7.55	*	*	*	*	*	*	*	*	-	="		
8.55	*	*	*	*	*	*	*	*	*	*	*	*
9.55	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	. *	*	*	*
11.55	*	*	*	*	*	*	*	*	*	*	*	*
12.55	*	*	*	*	*	*	*	*	*	*	*	*
13.55	*	*	*	*	*	*	*	*	*	*	*	*
14.55	*	*	*	*	*	*	*	*	*	*	*	*
15.58	*	*	*	*	*	*	*	*	*	*	*	*
16.55	*	*	*	*	*	*	*	*	*	*	*	*
17.55	*	*	*	*	*	*	*	*	*	*	*	*
18.55	*	*	*	*	*	*	*	*	*	*	*	*
19.55	*	*	*	*	*	*	*	*	*	*	*	*
							*	*	*	*	*	*
20.55	*	*	*	*	*	*:	•	-			*	*
21.55	*	*	*	*	*	*	*	*	*	2		
22.55	*	*	*	*	*	*	*	*	*	*	*	*
23.5\$	*	*	*	*	*	*	*	*	*	*	*	*
24.55	*	*	*	*	*	*	*	*	*	*	*	*
25.58	*	★	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.58	*	*	*	*	*	*	*	*	*	*	*	*
29.55	*	*	*	*	*	*	*	*	*	*	*	*
30.55	*	*	*	*	*	*	*	*	*	*	*	*
31.55	*	*	*	*	*	*	*	*	*	*	*	*
32.55	*	*	*	*	*	*	*	*	*	*	*	*
33.55	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5\$	*	*	*	*	*	*	*	*	*	*	*	*
					•	•	•	·	· ·	*	*	*
36.58	*	*	*	*	*	*	*	*	*		-	
37.58	*	*	*	*	*	*	*	*	*	*	*	*
38.55	*	*	*	*	本	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.55	*	*	*	*	*	*	*	*	*	*	*	*
42.55	*	*	*	*	*	*	*	*	*	*	*	*
43.55	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
156.5 157.5 158.5 159.5 160.5 161.5 162.5 163.5 164.5 165.5 166.5 167.5

/ E E C	*	*	*	*	*	*	*	*	*	•	*	70
45.5S 46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.55	*	*	*	*	*	*	*	*	*	*	*	*
48.55	*	*	*	*	*	*	*	*	*	*	*	*
49.5\$	*	*	*	*	*	*	*	*	*	*	*	*
50.55	*	*	*	*	*	*	*	*	*	*	*	*
51.5\$	*	*	*	*	*	*	*	*	*	*	*	*
52.5\$	*	*	*	*	*	*	*	*	*	*	*	*
53.55	*	*	*	*	*	*	*	*	*	*	*	*
54.5\$	*	*	*	*	*	*	*	*	*	*	*	*
55.55	*	*	*	*	*	*	*	*	*	*	*	*
56.58	. *	*	*	*	*	*	*	*	*	*	*	*
57.55	*	*	*	*	*	*	*	*	*	*	*	*
58.55	*	*	*	*	*	*	*	*	*	*	*	*
59.58	*	*	*	*	*	*	*	*	*	*	*	*
60.55	*	*	*	*	*	*	*	*	*	*	*	*
61.55	*	*	*	*	*	*	*	*	*	*	*	*
62.58	*	*	*	*	*	*	*	*	*	*	*	*
63.55	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.55	*	*	*	*	*	*	*	*	*	*	*	*
67.55	*	*	*	*	*	*	*	*	*	*	*	*
68.55	*	*	*	*	*	*	*	*	*	*	*	*
69.55	55	45	35	12	*	*	*	*	*	*	*	*
70.55	112	100	72	44	16	*	*	*	*	*	*	*
71.5S	168	160	156	152	148	144	140	142	144	146	148	150
72.58	228	230	224	218	212	206	200	190	180	170	160	150
73.5\$	220	220	206	192	178	164	150	130	110	90	70	50
74.5S	214	210	184	158	132	106	80	54	28	*	*	*
75.55	214	210	172	134	96	58	20	*	*	*	*	*
76.5S	222	220	180	140	100	60	20	*	*	*	*	*
77.58	230	230	210	190	170	150	130	114	98	82	66	50
78.5S	222	220	206	192	178	164	150	121	93	64	36	7
79.55	190	180	145	111	76	42	7	7	7	6	6	6
80.55	188	166	145	124	102	81	59	38	17	6	6	6
81.55	188	167	146	125	103	82	61	40	19	8	8	7
82.55	228	220	212	204	196	188	180	172	164	152	137	121
83.55	241	242	243	244	245	246	247	248	249	239	217	195
84.55	251	252	253	254	255	256	257	258	259	263	270	277
85.55	250	250	250	250	250	250	250	250	250	251	253	255
86.55	288	287	286	285	284	283	282	281	280	280	280	280
87.55	300	300	300	300	300	300	300	300	300	300	300	300
88.55	310	310	310	310	310	310	310	310	310	310	310	310
89.58	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

168.5 169.5 170.5 171.5 172.5 173.5 174.5 175.5 176.5 177.5 178.5 179.5

7:

										•		
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	. *	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	* .	*	*	*	*	*	*	*	*	*	*
69.5N	10	10	10	15	25	27	22	20	20	17	12	7
68.5N	47	47	42	45	55	65	75	72	57	45	35	27
67.5N	75	85	95	97	92	92	97	100	100	92	77	62
66.5N	72	67	62	57	52	52	57	65	75	82	87	83
65.5N	35	29	26	24	21	20	20	20	20	30	50	54
64.5N	32	27	22	22	27	30	30	25	15	7	*	*
63.5N	27	35	45	50	50	55	65	72	77	71	54	36
62.5N	74	89	96	95	85	71	54	41	32	23	14	7
61.5N	60	62	67	32	*	*	*	*	*	*	*	*
60.5N	22	*	*	*	*	*	*	*	*	*	*	*
59.5N	*	* .	*	*	*	*	*	*	*	*	*	*
58.5N	*	*	*	*	*	*	*	*	*	*	*	*
57.5N 56.5N	*	*	*	*	*	*	*	*	*	*	*	*
55.5N	*	*	*	*	*	*	*	*	*	*	*	*
54.5N	*	*	*	*	*	*	*	*	*	*	*	*
53.5N	*	*	*	*	*	*	*	*	*	*	*	*
52.5N	*	*	*	*	*	*	*	*	*	*	*	*
51.5N	*	*	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	*	*	*	*	*	*	*	*	*	*	*	*
48.5N	*	*	*	·*	*	*	*	*	*	*	*	*
47.5N	<del>*</del>	*	*	*	*	*	*	*	*	*	*	*
46.5N	*	*	*	*	*	* *	*	*	*	*	*	*
45.5N	*	*	*	*	<b>*</b>	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES FAST LONGITUDE

168.5 169.5 170.5 171.5 172.5 173.5 174.5 175.5 176.5 177.5 178.5 179.5

44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*		
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	<b>.</b> *
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	漱	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	* '
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N		*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*		*	*	*	*	*	*	*	*	*
17.5N	*		*		*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*		-	*	*	*	*	*	*
14.5N	*	*	*	*	*	*		*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	•	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	•	•	*	*	*
10.5N	*	*	*	*	*	*	*	* .	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	<b>∓</b>	•	<b>*</b>	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	# 	# 
6.5N	*	*	*	*	*	*	*	*	*	*	<b>∓</b>	<b>∓</b>
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
168.5 169.5 170.5 171.5 172.5 173.5 174.5 175.5 176.5 177.5 178.5 179.5

0.58	#	*	*	*	*	*	*	#	*	*	*	*
1.58	*	*	*	*	*	*	*	*	*	*	*	*
2.5\$	*	*	*	*	*	*	*	*	*	*	*	*
3.58	*	*	*	*	*	*	*	*	*	*	*	*
4.55	*	*	*	*	*	*	*	*	*	*	*	*
5.55	*	*	*	*	*	*	*	*	*	*	*	*
6.55	*	*	*	*	*	*	*	*	*	*	*	*
7.55	*	*	*	*	*	*	*	*	*	*	*	*
8.55	*	*	*	*	*	*	*	*	*	*	*	*
9.58	*	*	*	*	*	*	*	*	*	*	*	*
10.55	*	*	*	*	*	*	*	*	*	*	*	*
11.58	. *	*	*	*	*	*	*	*	*	*	*	*
12.55	*	*	*	*	*	*	*	*	*	*	*	*
13.55	*	*	*	*	*	*	*	*	*	*	*	*
14.55	*	*	*	*	*	*	*	*	*	*	*	*
15.58	*	*	*	*	*	*	*	*	*	*	*	*
16.55	*	*	*	*	*	*	*	*	*	*	*	*
17.55	*	*	*	*	*	*	*	*	*	*	*	*
18.55	*	*	*	*	*	*	*	*	*	*	*	*
19.58	*	*	*	*	*	*	*	*	*	*	*	*
20.5\$	*	*	*	*	*	*	*	*	*	*	*	*
21.55	*	*	*	*	*	*	*	*	*	*	*	*
22.5\$	*	*	*	*	*	*	*	*	*	*	*	*
23.55	*	*	*	*	*	*	*	*	*	*	*	*
24.55	*	*	*	*	*	*	*	*	*	*	#	*
25.5\$	*	*	*	*	*	*	*	*	*	*	*	*
26.55	*	*	*	*	*	*	*	*	*	*	*	*
27.58	*	*	*	*	*	*	*	*	*	*	*	*
28.58	*	*	*	*	*	*	*	*	*	*	*	*
29.55	*	*	*	*	*	*	*	*	*	*	*	*
30.58	*	*	*	*	*	*	*	*	*	*	*	*
31.58	*	*	*	*	*	*	*	*	*	*	*	*
32.55	*	*	*	*	*	*	*	*	*	*	*	*
33.5\$	*	*	*	*	*	*	* *	*	*	*	*	*
34.55	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	0	0	*	*	*	*	*
36.5\$	*	*	*	*	*	*	0	*	*	*	*	*
37.55	*	*	*	*	*	*	*	10	*	*	*	*
38.55	*	*	*	*	*	*	*	37	37	40	*	*
39.5\$	*	*	*	*	*	*	50	70	40	*	*	*
40.5\$	*	*	*	*	*	*	*	20	2	*	*	*
41.55	*	*	*	0	50	40	*	*	*	*	*	¥
42.55	*	*	*	40	90	5	*	*	*	*	*	*
43.5\$	*	0	110	60	30	*	*	*	*	*	*	本
44.58	100	90	50	*	* '	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

168.5 169.5 170.5 171.5 172.5 173.5 174.5 175.5 176.5 177.5 178.5 179.5

45.5S	40	40	30	*	*	*	*	*	*	*	*	*
46.55	0	2	*	*	*	*	*	*	*	*	*	*
47.55	*	*	*	*	*	*	*	*	*	*	*	*
48.55	*	*	*	*	*	*	*	*	*	*	*	*
49.55	*	*	*	*	*	*	*	*	*	*	*	*
50.5\$	*	*	*	*	*	*	*	*	*	*	*	*
51.55	*	*	*	*	*	*	*	*	*	*	*	*
52.5\$	*	*	*	*	*	*	*	*	*	*	*	*
53.58	*	*	*	*	*	*	*	*	*	*	*	*
54.55	*	*	*	*	*	*	*	*	*	*	*	*
55.58	*	*	*	*	*	*	*	*	*	*	*	*
56.55	*	*	*	*	*	*	*	*	*	*	*	*
57.55	*	*	*	*	*	*	*	*	*	*	*	*
58.55	*	*	*	*	<b>*</b>	*	*	*	*	*	*	*
59.55	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.55	*	*	*	*	*	*	*	*	*	•	•	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.55	*	*	*	*	-			*	*	*	*	*
64.55	*	*	·		*	*	*		*	*	*	*
	*		*	*	*	*	*	*	*	•	*	
65.58		*	*	*	*	*	*	*	-	*	*	*
66.55	*	*	*	*	*	*	*	*	*	*	=	*
67.55	*	*	*	*	*	*	*	*	*	*	*	*
68.55	*	*	*	*	*	*	*	*	*	*	*	*
69.55	*	*	*	*	*	*	*	*	*	*	*	<b>*</b>
70.55	*	*	*	*	*	*	*	*	*	*	*	*
71.55	92	*	*	*	*	*	*	*	*	*	*	*
72.55	110	70	*	*	*	*	*	*	*	*	*	*
73.55	*	*	*	*	*	*	*	*	*	*	*	*
74.55	*	*	*	*	*	*	*	*	*	*	*	*
75.55	*	*	*	*	*	*	*	*	*	*	*	*
76.55	*	*	*	*	*	*	*	*	*	*	*	*
77.55	40	31	21	*	*	*	*	*	*	*	*	*
78.55	7	6	6	5	5	5	5	4	4	4	4	4
79.55	6	6	6	6	6	6	6	5	5	5	5	5
80.58	6	6	5	5	5	5	5	5	5	5	5	5
81.55	7	7	6	6	6	5	5	5	5	5	5	5
82.5S	106	90	75	59	44	28	13	5	5	5	5	5
83.55	173	151	129	107	85	63	41	29	28	27	26	25
84.55	284	291	298	305	312	319	326	325	316	306	297	288
85.55	257	259	261	263	265	267	269	270	271	271	272	272
86.55	280	280	280	280	280	280	280	280	280	280	280	280
87.55	300	300	300	300	300	300	300	300	299	299	298	298
88.55	310	310	310	310	310	310	310	310	309	309	308	308
89.55	290	290	290	290	290	290	290	290	290	290	290	290
5,55	- /-	2,0	2 /0	£ 70	2,0	2,0	2. 30	2 70	2 70	£ 7 U	230	270

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

180.5 181.5 182.5 183.5 184.5 185.5 186.5 187.5 188.5 189.5 190.5 191.5

89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	**	*	*	*	*	*	*	*	*	*
84.5N	*	*	<b>*</b>	*	*	*	*	#	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	* .	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	*	*	*	*
69.5N	2	*	*	*	*	*	*	*	*	*	*	*
68.5N	20	13	6	*	*	*	*	*	*	*	*	*
67.5N	45	35	32	28	25	17	6	*	*	*	*	*
66.5N	70	65	68	67	62	55	45	41	44	38	25	*
65.5N	43	32	21	19	25	31	37	34	23	13	*	*
64.5N	*	*	*	*	*	*	0	2	2	*	*	*
63.5N	18	*	*	*	*	*	*	*	*	3	6	6
62.5N	*	*	*	*	*	*	*	* .	*	*	*	*
61.5N	*	*	*	*	*	*	*	*	*	*	*	*
60.5N	*	*	*	*	*	*	*	*	*	*	*	*
59.5N	**	*	*	*	*	*	*	*	*	*	*	*
58.5N	*	*	*	*	*	*	*	*	*	*	*	*
57.5N	*	*	*	*	*	*	*	*	*	*	*	*
56.5N	*	*	*	*	*	*	*	*	*	*	*	*
55.5N	*	*	*	*	*	*	*	*	*	*	*	*
54.5N	*	*	*	*	*	*	*	*	*	*	*	*
53.5N	*	*	*	*	*	*	*	*	*	*	*	*
52.5N	*	*	*	*	*	*	*	*	*	*	*	*
51.5N	*	*	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	*	*	*	*	*	*	*	*	*	*	*	*
48.5N	*	*	*	*	*	*	*	*	*	*	*	*
47.5N	*	*	*	*	*	*	*	*	*	*	*	#
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

180.5 181.5 182.5 183.5 184.5 185.5 186.5 187.5 188.5 189.5 190.5 191.5

44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*.	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	<b>#</b> :	*	*	#	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	* .	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	* .	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	×	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5 • 5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1 • 5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

180.5 181.5 182.5 183.5 184.5 185.5 186.5 187.5 188.5 189.5 190.5 191.5

	100.7	10107	102.0	10303	10407	10040	100.0	10.00	1000			
0.58	*	*	*	*	*	*	*	*	*	*	*	*
1.58	*	*	*	*	*	*	*	*	*	*	*	*
2.55	*	*	*	*	*	*	*	*	*	*	*	*
3.55	*	*	*	*	*	*	*	*	*	*	*	*
4.55	*	<b>≠</b>	*	*	*	*	*	*	*	*	*	*
5.58	*	*	*	*	*	*	*	*	*	*	*	*
6.5\$	*	*	*	*	*	*	*	*	*	*	*	*
7.55	*	*	*	*	*	*	*	*	*	*	*	*
8.55	*	*	*	*	*	*	*	*	*	*	*	*
9.58	*	*	*	*	*	*	*	*	*	*	*	*
10.55	*	*	*	*	*	*	*	*	*	*	*	*
11.55	*	*	*	*	*	*	*	*	*	*	*	*
12.55	*	*	*	*	*	*	*	*	*	*	*	*
13.55	*	*	*	#	*	*	*	*	*	*	*	<b>*</b>
14.55	*	*	*	*	*	*	*	*	*	*	*	*
15.55	*	*	*	*	*	*	*	*	*	*	*	*
16.55	*	*	*	*	*	*	*	*	*	*	*	*
17.55	*	*	*	*	*	*	*	*	*	*	*	*
18.55	*	*	*	*	*	*	*	*	*	*	*	*
19.58	*	*	*	*	*	*	*	*	*	*	*	*
20.55	*	*	*	*	*	*	*	*	*	*	*	*
21.55	*	*	*	#	*	*	*	#	*	*	*	*
22.55	*	*	*	*	*	*	*	*	*	*	*	*
23.55	*	*	*	*	*	*	*	*	*	*	*	*
24.55	*	*	*	*	*	*	*	*	*	*	*	*
25.58	*	*	*	*	*	*	*	*	*	*	*	*
26.55	*	*	*	*	*	*	*	*	*	*	*	*
27.55	*	*	*	*	*	*	*	*	*	*	*	*
28.58	*	*	*	*	*	*	*	*	*	*	*	*
29.55	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.55	*	*	*	*	*	*	*	*	*	*	*	*
32.55	*	*	*	*	, <b>*</b>	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.55	*	*	*	*	*	*	*	*	*	*	*	*
35.58	*	*	*	*	*	*	*	*	*	*	*	*
36.55	*	*	*	*	*	*	*	*	*	*	*	*
37.55	*	*	*	*	*	*	*	*	*	*	*	*
38.55	*	*	*	*	*	*	*	*	*	*	*	*
39.55	*	*	*	*	*	*	*	*	*	*	*	*
40.55	*	*	*	*	*	*	*	*	*	*	*	*
41.55	*	*	*	*	*.	*	*	*	*	*	*	*
42.55	*	*	*	*	*	*	*	*	*	*	*	*
43.5\$	*	*	*	*	*	*	*	*	*	*	*	*
44.55	*	*	3,5	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE
180.5 181.5 182.5 183.5 184.5 185.5 186.5 187.5 188.5 189.5 190.5 191.5

					2010.5							
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.58	*	*	*	*	*	*	*	*	*	*	*	*
47.55	*	*	*	*	*	*	*	*	*	*	*	*
48.55	*	*	*	*	*	*	*	*	*	*	*	*
49.55	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.58	本	*	*	*	*	*	*	*	*	*	*	*
52.58	*	*	*	*	*	*	*	*	*	*	*	*
53.58	*	*	*	*	*	*	*	*	*	*	*	*
<b>54.</b> 5S	*	*	*	<b>#</b>	*	*	*	*	*	*	*	*
55.55	*	*	*	*	*	*	*	*	*	*	*	*
56.58	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.55	*	*	*	*	*	*	*	*	*	*	*	*
59.58	*	*	*	*	*	*	*	*	*	*	*	*
60.55	*	*	*	*	*	*	*	*	*	*	*	*
61.58	*	*	*	*	*	*	*	*	*	*	*	*
62.55	*	*	*	*	*	*	*	*	*	**	*	*
63.55	*	*	*	*	*	*	*	*	*	*	*	*
64.55	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.58	*	*	*	*	*	*	*	*	*	*	*	*
67.55	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.5S 71.5S	*	*	*	*	*	*	*	*	*	*	*	*
72.55	*	*	*	*	*	*	*	*	*	*	*	*
73.55	*	*	*	*	*	*	*	*	*	*	*	*
74.55	*	*	*	*	*	*	*	*	*	*	*	*
75.58	*	*	*	*	*	*	*	*	*	*	*	*
76.55	*	*	*	*	*	*	*	*	*	*	*	*
77.58	*	*	*	*	*	*	*	*	*	*	*	*
78.55	3	3	3	3	3	2	2	2	2	2	2	2
79.55	5	5	5	5	5	5	5	5	5	5	5	5
80.55	5	5	5	5	5	5	5	5	5	5	6	6
81.55	5	5	5	5	5	5	5	5	5	5	6	6
82.55	5	5	5	5	5	5	5	5	5	5	6	6
83.55	24	23	22	21	20	18	17	16	15	14	13	12
84.55	278	269	259	250	241	231	221	211	201	191	181	171
85.55	273	273	274	274	275	275	275	275	276	276	276	276
86.55	280	280	280	280	280	280	280	279	279	279	279	279
87.55	297	297	296	296	295	295	294	293	293	292	292	291
88.55	307	307	306	3 06	305	305	304	304	303	303	302	302
89.55	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

192.5 193.5 194.5 195.5 196.5 197.5 198.5 199.5 200.5 201.5 202.5 203.5

<b>-</b>					_		_					
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*		*	*
85.5N	*	*	*	*	*	*	* .	*	*	*		
84.5N	*	*	*	*	att	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	¥	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	**	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	. *	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	0	0	0	3
69.5N	*	*	*	*	1	8	19	30	40	46	49	49
68.5N	*	*	4	12	21	26	29	31	34	37	42	46
67.5N	*	*	*	*	3	12	25	33	37	39	40	42
66.5N	*	*	0	2	2	*	8	15	25	34	41	45
65.5N	*	5	17	27	36	39	36	36	39	40	41	40
64.5N	*	*	2	4	6	7	6	9	18	26	32	35
63.5N	3	*	*	*	1	3	6	10	17	24	31	37
62.5N	*	*	5	11	17	20	20	22	27	34	41	45
61.5N	*	*	10	17	24	26	24	22	21	21	24	32
60.5N	*	*	1	4	6	12	21	29	36	39	36	39
59.5N	*	*	*	*	*	*	10	20	30	36	39	38
58.5N	*	*	*	*	*	*	2	7	12	17	2 <b>2</b>	28
57.5N	*	*	*	*	*	*	*	*	*	*	2	3
56.5N	*	*	*	*	*	*	*	*	2	3	1	*
55.5N	*	*	*	*	*	*	*	*	. *	*	*	*
54.5N	*	*	*	*	*	*	*	*	*	*	*	*
53.5N	*	*	*	*	*	*	*	*	*	*	*	*
52.5N	*	*	**	*	*	*	*	*	*	*	*	*
51.5N	*	<b>x</b> :	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	. *	*	*
49.5N	*	*	*	*	*	*	*	*	*	*	*	*
48.5N	*	*	*	*	*	*	*	*	*	*	*	*
47.5N	*	*	*	*	*	*	*	*	*	*	*	*
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	*	*	*	*	*	*	*	*	*
テノモンは	7	•	7	7	-	•		•	-	•	•	-

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

192.5 193.5 194.5 195.5 196.5 197.5 198.5 199.5 200.5 201.5 202.5 203.5

44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	<b>*</b>	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
	*	*	*	** **	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N				*	-	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*		*				*	*	*	*	*	*
27-5N	*	*	*	*	*	*		*	*	*	*	*
26.5N	*	*	*	*	*	*	*		*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	-	*	*	*	*
22.5N	*	*	*	*	*	*	*	*		*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	•	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	
17.5N	*	*	*	*	*	*	*	*	*	*		*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	<b>*</b>
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4 - 5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

### TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE 192.5 193.5 194.5 195.5 196.5 197.5 198.5 199.5 200.5 201.5 202.5 203.5

o.58	*	*	*	*	*	*	*	*	*	*	*	*
1.58	*	*	*	*	*	*	*	*	*	*	*	*
2.58	*	*	*	*	*	*	*	*	*	*	*	*
3.55	*	*	*	*	*	*	*	*	*	*	*	*
4.55	*	*	*	*	*	*	*	*	*	*	*	*
5.5\$	*	*	*	*	*	*	*	*	*	*	*	*
6.55	*	*	*	*	*	*	*	*	*	*	*	*
7.55	*	*	*	*	*	*	*	*	*	*	*	*
8.5\$	*	*	*	*	*	*	*	*	*	*	*	*
9.55	*	*	*	*	*	*	*	*	*	*	*	*
10.58	*	*	*	*	*	*	*	*	*	*	*	*
11.55	*	*	*	*	*	*	*	*	*	*	*	*
12.55	*	*	*	*	*	*	*	*	*	*	*	*
13.55	*	*	*	*	*	*	*	*	*	*	*	*
	*	*	*	*	*	*	*	*	*	*	*	*
14.55	*	*		*	*	*	*	*	*	*	*	*
15.58			*	*	*	*	*	*	*	*	*	*
16.55	*	*			*	*	*	*	*	*	*	*
17.55	*	*	*	*			*	*	*	*	*	*
18.55	*	*	*	*	*	*		*	*	*	*	*
19.55	*	*	*	*	*	*	*	~	*	*	*	*
20.5\$	*	*	*	*	*	*	*	*	-		*	т *
21.58	*	*	*	*	*	*	*	*	*	*		
22.55	*	*	*	*	*	*	*	*	*	*	*	*
23.5\$	*	*	*	*	*	*	*	*	*	*	*	*
24.55	*	*	*	*	*	*	*	*	*	*	*	*
25.55	*	*	*	*	*	*	*	*	*	*	*	*
26.5\$	*	*	*	*	*	*	*	*	*	*	*	*
27.55	*	*	*	*	*	*	*	*	*	*	*	*
28.55	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	#	*	*	*	*	*	*	*	*	*	*	*
30.55	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.58	*	*	*	*	*	*	*	*	*	*	*	*
33.5\$	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.55	*	*	*	*	*	*	*	*	*	*	*	*
37.55	*	*	*	*	*	*	*	*	*	*	*	*
38.55	*	*	*	*	*	*	*	*	*	*	*	*
39.55	*	*	*	*	*	*	*	*	*	*	*	*
40.55	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	. *
42.5S	*	*	*	*	*	*	*	*	*	*	*	#
42.55 43.55	*	*	*	*	*	*	*	*	*	*	*	*
		*		*		*	*	*	*	*	*	*
44.55	*	*	*	*	*	*	*	7	*	*	<del></del>	•

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
192.5 193.5 194.5 195.5 196.5 197.5 198.5 199.5 200.5 201.5 202.5 203.5

45.55	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.55	*	*	*	*	*	*	*	*	*	*	*	*
48.55	*	*	*	*	*	*	*	*	*	*	*	*
49.55	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.58	*	*	*	*	*	*	*	*	*	*	*	*
52.5\$	*	*	*	*	*	*	*	*	*	*	*	* *
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.55	*	*	*	*	*	*	*	*	*	*	*	*
55.5\$	*	*	*	*	*	*	*	*	*	*	*	*
56.58	*	*	*	*	*	*	*	*	*	*	*	*
57.55	*	*	*	*	*	*	*	*	*	*	*	*
58.55	*	*	. *	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.55	*	*	*	*	*	*	*	*	*	*	*	*
61.58	*	*	*	*	#	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5\$	*	*	*	*	*	*	*	*	*	*	*	*
64.55	*	*	*	*	*	*	*	*	*	*	*	*
65.58	*	*	*	*	*	*	*	*	*	*	*	*
66.58	*	*	*	*	*	*	*	*	*	*	*	*
67.55	*	*	*	*	*	*	*	*	*	*	*	*
68.55	*	*	*	*	*	*	*	*	*	*	*	*
69.55	*	*	*	*	*	*	*	*	*	*	*	*
70.58	*	*	*	*	*	*	*	*	*	*	*	*
71.58	*	*	*	*	*	*	*	*	*	*	*	*
72.58	*	*	*	*	*	*	*	*	*	*	*	*
73.55	*	*	*	*	*	*	*	*	*	*	*	*
74.55	*	*	*	*	*	*	*	*	*	*	*	*
75.58	*	*	*	*	*	*	*	*	*	*	.*	*
76.55	*	*	*	*	*	*	*	*	*	*	*	*
77.58	*	*	*	*	*	*	*	*	*	*	*	0
78.55	2	. 2	2	2	2	3	3	4	5	5	6	9
79.58	5	6	7	7	8	9	11	12	14	16	18	16
80.55	6	6	6	6	6	6	6	7	7	7	7	7
81.58	6	6	6	6	6	6	6	7	7	7	7	7
82.58	6	6	6	6	7	7	7	7	8	8	8	9
83.55	11	10	9	8	8	9	9	9	9	9	9	10
84.55	161	151	141	130	117	104	92	79	67	54	41	29
85.58	276	277	277	275	270	266	261	257	252	248	243	239
86.55	278	278	278	277	274	272	270	267	265	262	260	258
87.55	290	290	289	288	287	286	285	284	283	282	281	280
88.55	301	301	300	300	300	300	300	300	299	299	299	299
89.58	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
204.5 205.5 206.5 207.5 208.5 209.5 210.5 211.5 212.5 213.5 214.5 215.5

89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*.	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	7	10	14	17	15	12	10	7	5	*	*	*
69.5N	46	44	41	40	40	40	40	40	40	41	44	49
68.5N	49	52	57	65	75	85	95	102	107	110	110	110
67.5N	47	52	57	64	71	79	86	92	97	97	92	85
66.5N	45	45	45	49	56	59	56	49	36	27	22	25
65.5N	37	39	46	51	54	54	51	51	54	54	51	51
64.5N	35	36	39	39	36	34	31	31	34	41	52	64
63.5N	42	45	45	62	97	127	152	167	172	187	212	212
62.5N	45	59	88	135	205	231	214	176	119	106	139	184
61.5N	47	69	96	110	110	104	91	86	89	89	86	105
60.5N	46	57	71	71	59	47	37	29	21	*	21	36
59.5N	<b>3</b> 5	28	17	*	*	*	*	*	*	*	*	*
58.5N	36	35	26	*	*	*	*	*	*	*	*	*
57.5N	1	*	4	*	*	*	*	*	*	*	*	*
56.5N	*	*	*	*	*	*	*	*	*	*	*	*
55.5N	*	*	*	*	*	*	*	*	*	*	*	*
54.5N	*	*	*	*	. *	*	*	*	*	*	*	*
53.5N	*	*	*	*	*	*	*	*	*	*	*	*
52.5N	*	*	*	*	*	*	*	*	*	*	*	*
51.5N	**	*	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	*	*	*	*	*	*	*	*	*	*	*	*
48.5N	<b>*</b>	*	*	• 🖈	*	*	*	*	*	*	*	*
47.5N	*	*	*	*	*	*	*	*	*	*	*	*
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	*	*	*	*	*	*	*	*	*

# TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE 204.5 205.5 206.5 207.5 208.5 209.5 210.5 211.5 212.5 213.5 214.5 215.5

44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	<b>\$</b>	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	#	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	<b>*</b>
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	<b>*</b>	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	8	*	*	*	*	*	*	*	*	*	*	**
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*.	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	<b>*</b>	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	#
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

204.5 205.5 206.5 207.5 208.5 209.5 210.5 211.5 212.5 213.5 214.5 215.5

	20463	2000	2000		.000,							
0.58	*	*	*	*	*	*	*	*	*	*	*	*
1.55	*	*	*	*	*	*	*	*	*	*	*	*
2.58	*	*	*	*	*	*	*	*	*	*	*	*
3.5\$	*	*	*	*	*	*	*	*	*	*	*	*
4.55	*	*	*	*	*	*	*	*	*	*	*	*
5 <b>.</b> 5\$	*	*	*	* *	*	*	*	*	*	*	*	*
6.55	*	*	*	*	*	*	*	*	*	*	*	*
7.55	*	*	*	*	*	*	*	*	*	*	*	*
8.55	*	*	*	*	*	*	*	*	*	*	*	*
9.55	*	*	*	*	*	*	*	*	*	*	*	*
10.58	*	*	*	*	*	*	*	*	*	*	*	*
11.58	*	*	*	*	*	*	*	*	*	*	*	*
12.55	*	*	*	*	*	*	*	*	*	*	*	*
13.55	*	*	*	*	*	*	*	*	*	*	*	*
14.55	*	*	*	*	*	*	*	*	*	*	*	*
15.58	*	*	*	*	*	*	*	*	*	. *	*	*
16.55	*	*	*	*	*	*	*	*	*	*	*	*
17.58	*	*	*	*	*	*	*	*	*	*	*	*
18.55	*	*	*	*	*	*	*	*	*	*	*	*
19.58	*	*	*	*	*	*	*	*	*	*	*	*
20.58	*	*	*	*	*	*	*	*	*	*	*	*
21.55	*	*	*	*	*	*	*	*	*	*	*	*
22.55	*	*	*	*	*	*	*	*	*	*	*	*
23.55	*	*	*	*	*	*	*	*	*	*	*	**
24.55	*	*	*	*	*	*	*	*	*	*	*	*
25.58	*	*	*	*	*	*	*	*	*	*	*	*
26.55	*	*	*	*	*	*	*	*	*	*	*	*
27.55	*	*	*	*	*	*	*	*	*	*	*	*
28.55	*	*	*	*	*	*	*	*	*	*	*	*
29.55	*	*	*	*	*	*		*	*	*	*	*
30.55	*	*	*	*	*	*	*	*	*	*	*	*
31.55	*	*	*	*		*	*	*	*	*	*	*
32.55	*	*	*	*	*	*	*	*	*	*	*	*
33.55	*	*	*	*	*	*	*	*	*	*	*	*
34.55	*	*			*	*	*	*	*	*	*	*
35.55	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	÷	*	- T	*	*	*
37.5S 38.5S	*	* *	*	*	*	*	<b>+</b>	- <del>-</del>	*	*	*	*
39.5S	*	*	*	*	*	<b>∓</b> ±	*	*	*	*	<b>+</b>	*
40.5\$	*	*	*	*	*	*	*	*	*	*	<b>*</b>	*
41.55	*	*	*	*	*	*	*	*	*	*	*	*
41.55 42.5S	*	*	*	*	*	*	<b>~</b>	*	*	*	*	*
43.55	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*
ママ・ソン	. •	~	~	~	~	~	-	-	-	•	•	•

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
204.5 205.5 206.5 207.5 208.5 209.5 210.5 211.5 212.5 213.5 214.5 215.5

	•											
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.55	*	*	*	*	*	*	*	*	*	*	*	*
48.5\$	*	*	*	*	*	*	*	*	*	*	*	*
49.5\$	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.55	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.55	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.55	*	*	*	*	*	*	*	*	*	<b></b>	*	*
57.55	*	*	*	*	*	*	*	*	*	*	*	*
58.58	*	*	*	*	*	*	*	*	*	*	*	*
59.5\$	*	*	*	*	*	*	*	*	*	*	*	¥
60.5\$	*	*	*	*	*	*	*	*	*	*	*	*
61.55	*	*	*	*	*	*	*	*	*	*	*	*
62.58	*	*	*	*	*	*	*	*	*	*	*	*
63.58	*	*	*	*	*	*	*	*	*	*	*	*
64.55	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.55	*	*	*	* .	*	*	*	*	*	*	*	*
67.55	*	*	*	*	*	*	*	*	*	*	*	*
68.58	*	*	*	*	*	*	*	*	*	*	*	*
69.55	*	*	*	*	*	*	*	*	*	*	*	*
70.55	*	*	*	*	*	*	*	*	*	*	*	*
71.55	*	*	*	*	*	*	*	*	*	*	*	*
72.55	*	*	*	*	*	*	*	*	*	*	*	* *
73.55	*	*	*	*	*	*	*	*	*	*	*	*
74.55	*	*	*	*	*	*	*	*	*	*	*	<b>3</b> 72
75.58	*	*	*	*	*	*	*	*	*	*	*	
76.55	*	*	*	*	*	*	*	*	*			0
77.5S	0	0	7	20	22	25	27	30	32	42	53	63
78.55	12	14	17	20	28	36	44	52	60	60	61 32	61 38
79.55	14	12	10	8	10	12	14	16	18	25		
80.55	7	7	8	8	9	9	10	10	11	11	12	13
81.55	7	8	8	9	9	10	10	11	12	12	13	14 22
82.55	9	10	11	12	13	14	16	17	18	19	20	
83.5\$	10	10	10	10	11	11	11	11	11	12	12	13
84.55	16	10	10	10	11	11	11	11	11	12	12	13
85.55	234	224	207	190	174	157	141	124	107	91	74	65 200
86.55	255	251	246	240	235	230	224	219	213	208	203	200 2 <b>7</b> 0
87.55	279	279	278	277	276	275	274	273	272	271	270	290
88.55	299	299	298	297	296	295	294	293	292	291	290 290	290
89.5\$	290	290	290	290	290	290	290	290	290	290	290	290

216.5 217.5 218.5 219.5 220.5 221.5 222.5 223.5 224.5 225.5 226.5 227.5

89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	*	*	*	*
69.5N	56	56	49	37	22	11	4	*	*	*	*	2
68.5N	110	109	106	105	105	102	97	82	57	37	22	16
67.5N	75	66	59	59	6 <b>6</b>	72	77	70	53	38	26	20
66.5N	35	47	62	74	81	87	92	91	84	72	57	45
65.5N	54	60	70	77	82	85	85	82	77	76	79	77
64.5N	76	82	81	80	80	84	91	97	102	106	109	110
63.5N	187	156	119	92	77	69	66	71	84	94	101	106
62.5N	241	255	225	187	142	124	131	125	105	89	76	75
61.5N	145	191	244	257	232	197	152	121	104	92	87	87
6C.5N	64	121	207	272	317	302	227	169	126	105	105	105
59.5N	*	*	*	*	*	0	66	109	126	129	116	109
58.5N	*	*	*	*	*	*	*	0	35	74	101	119
57.5N	*	*	*	*	*	*	*	*	*	*	6	54
56.5N	*	*	*	*	*	*	*	*	*	*	*	0
55.5N	*	*	*	*	*	*	*	*	*	*	*	*
54.5N	*	*	*	*	*	*	*	*	*	*	*	*
53.5N	*	*	*	*	*	*	*	*	*	*	*	*
52.5N	*	*	*	*	*	*	*	*	*	*	*	*
51.5N	*	*	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	*	*	*	*	*	*	*	*	*	*	*	*
48.5N	*	*	*	*	*	*	*	*	*	*	*	*
47.5N	*	*	*	*	*	*	*	*	*	*	*	*
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	*	*	*	*	*	*	*	*	*

216.5 217.5 218.5 219.5 220.5 221.5 222.5 223.5 224.5 225.5 226.5 227.5

44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	<b>3</b> \$	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
	*	*	*	*	*	*	*	*	*	*	*	*
38.5N							*	*	*	*	*	*
37.5N	*	*	*	*	*	*			*	*	*	*
36.5N	*	*	*	*	*	*	*	*	-	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	-		
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
	*	*	*	*	*	*	*	*	*	*	*	*
26.5N						*	*	*	*	*	*	*
25.5N	*	*	*	*	*		-	•	*	*	*	*
24.5N	*	*	*	*	*	*	*	*		·	*	*
23.5N	*	*	*	* .	*	*	*	* .	*	*		
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
		*	*	*	*	*	*	*	*	*	*	*
12.5N	*			•	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	•	-	•	•	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	•		<b>*</b>	
9.5N	*	*	*	*	*	*	*	*	*	*	<b>.</b>	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	. *	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	#	*	<del>*</del>	~	*	-	~	•

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
216.5 217.5 218.5 219.5 220.5 221.5 222.5 223.5 224.5 225.5 226.5 227.5

0.58	*	*	*	*	*	*	*	*	*	*	*	*
1.58	*	*	*	*	*	*	*	*	*	*	*	*
2.55	*	*	*	*	*	*	*	*	*	*	*	*
3.5\$	*	*	*	*	*	*	*	*	*	*	*	*
4.55	*	*	*	*	*	*	*	*	*	*	*	*
5.58	*	*	*	*	*	*	*	*	*	*	*	*
6.55	*	*	*	*	*	*	*	*	*	*	*	*
7.55	*	*	*	*	*	*	*	*	*	*	*	*
8.55	*	<b>*</b>	*	*	*	*	*	*	*	*	*	*
9.58	*	*	*	*	*	*	*	*	*	*	*	*
10.55	*	*	*	*	*	*	*	*	*	*	#	*
11.55	*	*	*	*	*	*	*	*	*	*	*	*
12.55	*	*	*	*	*	*	*	*	*	*	*	*
13.55	*	*	*	*	*	*	*	*	*	*	*	*
14.55	*	*	*	*	*	*	*	*	*	*	*	*
15.55	*	*	*	*	*	*	*	*	*	*	*	*
16.55	*	*	*	*	*	*	*	*	*	*	*	*
17.55	*	*	.*	*	*	*	*	*	*	*	*	*
18.55	*	*	*	*	*	*	*	*	*	*	*	*
19.55	*	*	*	*	*	*	*	*	*	*	*	*
20.58	*	*	*	*	*	*	*	*	*	*	*	*
21.55	*	*	*	*	*	*	*	*	*	*	*	*
22.55	*	*	*	*	*	*	*	*	*	*	*	*
23.5\$	*	*	*	*	*	*	*	*	*	*	*	*
24.55	*	*	*	*	*	*	*	*	*	*	*	*
25.5\$	*	*	*	*	*	*	*	*	*	*	*	*
26.5\$	*	*	*	*	*	*	*	*	*	*	*	*
27.55	*	*	*	*	*	*	*	*	*	*	*	*
28.55	*	*	*	*	*	*	*	*	*	*	*	*
29.55	*	*	*	*	*	*	*	*	*	*	*	*
30.58	*	*	*	*	*	*	*	*	*	*	*	*
31.5\$	*	*	*	*	*	*	*	*	*	*	*	*
32.55	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.55	*	*	*	*	*	*	*	*	*	*	*	*
35.58	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
	*	*	*	*	*	*	*	*	*	*	*	*
37.55						-		*	*	<b>.</b>	*	*
38.55	*	*	*	*	*	*	*	*	*	*	*	*
39.5S 40.5S	*	*	*	*	*	*	*	*	*	*	*	*
		*	*	*		=	*	*	*	*	*	*
41.5S 42.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.55 43.5S	*	*	*	*	*	*	*	*	*	*	*	*
		*	*	*		*	*	*	*	*	*	*
44.55	*	平	*	**	*	*	*	平	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
216.5 217.5 218.5 219.5 220.5 221.5 222.5 223.5 224.5 225.5 226.5 227.5

45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.55	*	*	*	*	*	*	*	*	*	*	*	*
47.55	*	*	*	*	*	*	*	*	*	*	*	*
48.55	*	*	*	*	*	*	*	*	*	*	*	*
49.55	*	*	*	*	*	*	*	*	*	*	*	*
50.5\$	*	*	*	*	*	*	*	*	*	*	*	*
51.58	*	*	*	*	*	*	*	*	*	*	*	*
52.5\$	*	*	*	*	*	*	*	*	*	*	*	*
53.5\$	*	*	*	*	*	*	*	*	*	*	*	*
54.5\$	*	*	*	*	<b>*</b>	*	*	*	*	. *	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.58	*	*	*	*	*	*	*	*	*	*	*	*
57.58	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	* .	*	*	*	*	*	*	*	*	*	*	*
59.58	*	*	*	*	*	*	*	*	*	*	*	*
60.58	*	*	*	*	*	*	*	*	*	*	*	*
61.55	*	*	*	*	*	*	*	*	*	*	*	*
62.58	*	*	.*	*	*	*	*	*	*	*	*	*
63.55	*	*	*	*	*	*	*	*	*	*	*	*
64.5\$	*	*	*	*	*	*	*	*	*	*	*	*
65.58	*	*	*	*	*	*	*	*	*	*	*	*
66.5\$	*	*	*	* .	*	*	*	*	*	*	*	*
67.55	*	*	*	*	*	*	*	*	*	*	*	*
68.55	*	*	*	*	*	*	*	*	*	*	*	
69.55	*	*	*	*	*	*	*	*	*	*	*	*
70.55	*	*	*	*	*	*	*	*	*	*	*	*
71.55	*	*	*	*	*	*	*	*	*	*	*	*
72.55	*	*	*	*	*	*	*	*	*	*	*	*
73.55	*	*	*	*	*	*	*	*	*	*	*	*
74.55	*	*	*	*	*	*	*	*	42	60	77	94
75.58	*		*	*	0	0	126	25 146	158	170	182	194
76.58	- 0 74	16 84	40 89	63 94	87	110	134 110	119	128	138	147	156
77.5S 78.5S	62	62	65	68	100 72	105 75	78	85	92	98	105	112
79.5S	45	52 52	54	57	72 59	62	64	68	. 73	77	82	86
80.55	15	18	20	22	25	27	29	31	34	37	42	47
81.55	17	20	23	26	29	32	35	38	40	43	45	47
82.5S	23	24	25 25	26 26	28	32 29	30	31	32	34	37	40
83.55	15	17	19	21	23	25	27	29	31	33	35	37
84.55	15	17	19	21	23	26	28	30	32	34	38	41
85.5S	62	59	57	54	51	48	46	43	40	43	52	60
86.55	201	201	202	202	203	203	204	204	205	207	211	216
87.55	270	270	270	270	269	269	269	269	269	269	268	267
88.5\$	290	290	290	290	289	289	289	289	289	289	288	287
89.55	290	290	290	290	289	289	289	289	289	289	288	287
07.00	270	470	2 7 0	270	207	207	603	203	209	203	200	E

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

228.5 229.5 230.5 231.5 232.5 233.5 234.5 235.5 236.5 237.5 238.5 239.5

89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	0	O
72.5N	*	*	*	*	*	*	*	*	*	*	0	0
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	*	*	*.	*
69.5N	8	14	18	19	16	13	9	7	7	7	8	7
68.5N	19	20	20	20	20	20	20	20	20	20	20	21
67.5N	20	20	20	21	24	26	28	29	28	27	25	23
66.5N	35	27	22	21	24	26	29	27	22	18	12L	12L
65.5N	71	60	45	36	32	31	34	34	31	12L	12L	12L
64.5N	110	106	99	87	72	59	46	36	29	24	21	21
63.5N	109	109	106	100	90	79	66	54	41	31	24	20
62.5N	85	92	97	100	100	94	81	65	45	31	24	20
61.5N	92	96	99	99	96	92	87	79	66	52	37	29
60.5N	105	102	97	90	80	74	71	66	59	52	47	46
59.5N	106	105	105	101	94	84	71	61	54	50	50	50
58.5N	126	135	145	157	172	172	157	137	112	90	70	59
57.5N	88	109	116	125	135	144	151	146	129	107	82	67
56.5N	19	48	79	110	140	159	166	160	140	119	96	80
55.5N	*	2	37	64	81	94	101	111	124	126	119	105
54.5N	*	*	7	34	61	81	94	100	100	107	122	131
53.5N	*	*	0	19	46	70	90	99	96	99	106	126
52.5N	*	*	*	*	4	33	61	81	94	97	92	99
51.5N	*	*	*	*	*	10	60	89	96	96	89	82
50.5N	*	*	*	*	*	0	17	54	71	80	80	76
49.5N	*	*	*	*	*	0	50	20	*	50	60	170
48.5N	*	*	*	*	*	*	*	30	0	2 C	50	110
47.5N	*	*	*	*	*	*	*	*	50	10	50	56 50
46.5N	*	*	*	*	*	*	*	*	40	50	270	50
45.5N	*	*	*	*	*	*	*	*	40	30	70	37

228.5 229.5 230.5 231.5 232.5 233.5 234.5 235.5 236.5 237.5 238.5 239.5 85 44.5N 40 50 100 \* 110 \* \* \* \* 30 90 110 \* \* \* \* 43.5N 90 100 120 \* \* 60 \* \* 42.5N \* 120 120 100 \* \* \* \* 78 41.5N 110 80 100 40.5N \* \* \* \* \* 70 \* \* 40 40 160 \* \* 40 39.5N 120 \* \* \* \* \* 20 10 38.5N \* 26 30 \* \* \* 37.5N 30 \* \* \* 20 \* \* \* \* 36.5N \* 30 \* \* \* \* \* 35.5N \* \* \* \* 0 \* \* \* 34.5N \* \* \* \* \* \* 33.5N \* \* \* \* 32.5N \* \* \* \* \* \* \* \* \* 31.5N \* \* \* \* \* 30.5N \* \* \* 29.5N \* \* \* \* \* \* \* \* \* \* \* \* \* \* 28.5N \* \* . \* \* 27.5N \* \* \* \* \* \* \* 26.5N \* \* \* \* \* \* \* \* 25.5N \* \* \* 本 \* \* \* 24.5N \* \* \* \* \* 23.5N \* \* \* \* 22.5N \* \* \* \* 21.5N \* \* 20.5N \* \* \* \* 19.5N \* \* \* \* 18.5N \* \* \* \* \* \* \* \* \* \* \* \* 17.5N \* \* \* \* 16.5N \* \* \* \* \* \* \* 15.5N \* \* \* \* \* 14.5N \* \* \* \* \* \* \* 13.5N \* \* \* \* \* 12.5N \* \* \* 11.5N \* \* \* \* \* \* \* 10.5N \* \* \* 9.5N \* \* \* \* \* \* 8.5N \* 本 \* \* \* \* \* \* \* \* \* \* 7.5N \* \* 6.5N \* \* \* \* \* \* 5.5N \* \* \* \* \* \* \* \* \* \* \* 4.5N \* 3.5N \* \* \* \* 2.5N \* \* \* \* \* \* 1.5N

0.5N

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

228.5 229.5 230.5 231.5 232.5 233.5 234.5 235.5 236.5 237.5 238.5 239.5

0.58	*	*	*	*	*	*	*	*	*	*	*	*
1.55	*	*	*	*	*	*	*	*	*	*	*	*
2.58	*	*	*	*	*	*	*	*	*	*	*	*
3.55	*	*	*	*	*	*	*	*	*	*	*	*
4.55	*	*	*	*	*	*	*	*	*	*	*	*
5.55	*	*	*	*	*	*	*	*	*	*	*	*
6.55	*	*	*	*	*	*	*	*	*	*	*	*
7.55	*	*	*	*	*	*	*	*	*	*	*	*
8.55	*	*	*	*	*	*	*	*	*	*	*	*
9.55	*	*	*	*	*	*	*	*	*	*	*	*
10.55	*	*	*	*	*	*	*	*	*	*	*	*
11.55	• *	*	*	*	*	*	*	*	*	*	*	*
12.55	*	*	*	*	*	*	*	*	*	*	*	*
13.55	*	*	*	*	*	*	*	*	*	*	*	*
14.55	*	*	*	*	*	*	*	*	*	*	*	*
15.58	*	*	*	*	*	*	*	*	*	*	*	*
16.55	*	*	*	*	*	*	*	*	*	*	*	*
17.55	*	*	*	*	*	*	*	*	*	*	*	*
18.55	*	*	*	*	*	*	*	*	*	*	*	*
19.55	*	*	*	*	*	*	*	*	*	*	*	*
20.5\$	*	*	*	*	*	*	*	*	*	*	*	*
21.58	*	*	*	*	*	*	*	*	*	*	*	*
22.55	*	*	*	*	*	*	*	*	*	*	*	*
23.55	*	*	*	*	*	*	*	*	*	*	*	*
24.55	*	*	*	*	*	*	*	*	*	*	*	*
25.58	*	*	*	*	*	*	*	*	*	*	*	*
26.55	*	*	*	*	*	*	*	*	*	*	*	*
27.55	*	*	*	*	*	*	*	*	*	*	*	*
28.55	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5\$	*	*	*	*	*	*	*	*	*	*	*	*
31.55	*	*	*	*	*	*	*	*	*	*	*	*
32.55	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.55	*	*	*	*	*	*	*	*	*	*	*	*
35.58	*	*	*	*	*	*	*	*	*	*	*	*
36.58	*	*	*	*	*	*	*	*	*	*	*	*
37.55	*	*	*	*	*	*	*	*	*	*	*	*
38.55	*	*	*	*	, <b>*</b>	*	*	*	*	*	*	*
39.55	*	*	*	*	*	*	*	*	*	*	*	*
40.55	*	*	*	*	*	*	*	*	*	*	*	*
41.55	*	*	*	*	*	*	*	*	*	*	*	*
42.55	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	. *	*	*
44.55	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

228.5 229.5 230.5 231.5 232.5 233.5 234.5 235.5 236.5 237.5 238.5 239.5

45.5S	*	#	*	*	*	*	*	*	*	*	• *	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.55	*	*	*	*	¥	*	*	*	*	*	*	*
48.55	*	*	*	*	*	*	*	*	*	*	*	*
49.55	*	*	*	*	*	*	*	*	*	*	*	*
50.58	*	*	*	*	*	*	*	*	*	*	*	*
51.55	*	*	*	*	*	*	*	*	*	*	*	*
52.55	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.55	*	*	*	*	*	*	*	*	*	*	*	*
55.58	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	#	*	*	*	*	*	*	*
57.55	*	*	*	*	*	*	*	*	*	*	*	*
58.5\$	*	*	*	*	*	*	*	*	*	*	*	*
59.5\$	*	*	*	*	*	*	*	*	*	*	*	*
60.58	*	*	*	*	*	*	*	*	*	*	*	*
61.58	*	*	*	*	*	*	*	*	*	*	*	*
62.55	*	*	*	*	*	*	*	*	*	*	*	*
63.55	*	*	*	*	*	*	*	*	*	*	*	*
64.55	*	*	*	*	*	*	*	*	*	*	*	*
65.5\$	*	*	*	*	*	<b>*</b>	*	*	*	*	*	*
66.55	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5\$	*	*	*	*	*	*	*	*	*	*	*	*
69.5\$	*	*	*	*	*	*	*	*	* *	*	*	*
70.55	*	*	*	*	*	*	*	*	*	*	*	*
71.55	*	*	* *	*	* *	*	*	*	*	*	*	*
72.55	*	*	*	*	*	*	*	*	*	*	*	*
73.5S 74.5S	*	*	*	*	*	*	1	7	14	20	20	20
75.5S	106	1 17	129	140	152	154	155	157	158	160	158	157
76.58	200	205	211	216	222	230	237	245	252	260	250	241
77.55	162	167	173	178	184	187	190	194	197	200	199	198
78.5\$	115	118	122	125	128	134	141	147	154	160	160	160
79.5S	92	98	104	110	116	121	126	132	137	142	144	147
80.55	52	5 <b>7</b>	62	67	72	77	81	86	90	94	98	102
81.55	49	51	53	56	58	60	62	65	68	71	74	78
82.55	43	46	49	52	55	58	60	63	66	68	70	73
83.55	39	41	43	46	48	50	52	55	58	61	64	67
84.55	44	47	<b>5</b> 0	53	56	59	62	66	70	74	79	83
85.5S	69	77	86	94	103	111	120	126	131	135	139	144
86.58	220	224	229	233	237	241	246	247	246	244	243	241
87.55	266	265	264	263	262	261	260	260	260	260	260	260
88.55	286	285	284	283	282	281	280	280	280	280	280	280
89.5\$	286	285	284	283	282	281	280	280	280	280	280	280
												-

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
240.5 241.5 242.5 243.5 244.5 245.5 246.5 247.5 248.5 249.5 250.5 251.5

89.5N									_	
88-5N	*	*			*	*	*	*	* *	*
86.5N										
85-5N								•		
84.5N								-		
83.5N	*									
82.5N								-		
81.5N										
80.5N										
79.5N										
78.5N										
77.5N								•		
76.5N								•		
75.5N										
74.5N         * <td></td>										
73.5N 0 9 18 15 12 10 * * * * * * * * * * * * 72.5N 0 7 18 16 15 13 12 10 10 10 10 9 9 9 7 11.5N * * * 0 4 9 13 18 22 23 24 26 27 7 10.5N * * * * * * * * * * * * * 0 0 0 0 3 8 12 10 69.5N 3 * * * * * * * * * * 3 10 15 18 20 20 20 20 68.5N 24 25 25 22 16 12 9 7 8 8 8 9 9 67.5N 21 20 20 20 20 19 16 14 11 11 12 14 66.5N 6 9 20 29 36 41 44 44 44 11 36 29 24 65.5N 6 9 20 29 36 41 44 44 44 11 36 29 24 65.5N 9 10 15 23 34 42 47 50 50 50 50 50 46 63.5N 24 27 32 37 42 46 49 49 46 45 45 45 63.5N 20 21 24 27 32 37 42 46 49 49 46 45 45 45 63.5N 20 21 24 27 32 36 39 40 40 41 44 46 62.5N 20 21 24 27 32 36 39 40 40 41 44 46 62.5N 20 20 20 20 20 20 22 26 26 26 24 22 21 25 61.5N 20 20 20 20 20 22 26 26 26 24 22 21 25 61.5N 26 24 21 16 7 161 161 19 25 33 41 46 60.5N 49 47 42 36 29 22 17 16 19 25 33 41 46 60.5N 49 47 42 36 29 22 17 16 19 25 35 42 59.5N 50 49 46 44 41 37 32 27 22 19 16 16 58.5N 56 52 47 42 37 34 31 29 26 26 26 29 34 57.5N 60 25 99 56 54 51 52 57 59 56 52 47 46 56.5N 70 65 65 65 67 72 74 71 69 66 64 61 57 75.5N 62 59 56 54 51 52 57 75 75 76 79 79 78 74 54.5N 134 125 105 90 80 72 67 64 61 60 60 59 53.5N 159 174 171 151 114 87 72 64 61 60 60 59 53.5N 159 174 171 151 114 87 72 64 61 59 56 54 51 52.5N 116 142 177 184 161 131 94 72 67 64 61 59 56 54 51 52.5N 150 174 171 151 114 87 72 64 61 59 56 54 51 52.5N 77 79 79 78 74 74 54.5N 134 125 105 90 80 72 67 64 61 60 60 59 53.5N 159 174 171 151 114 87 72 64 61 59 56 54 51 52.5N 77 79 1 124 144 151 139 106 85 75 69 66 64 61 59 50.5N 69 74 91 114 141 149 136 117 92 77 72 69 49.5N 60 60 60 80 90 100 150 100 90 80 70 70 70 70 70 70 70 70 70 70 70 70 70					•					
72.5N 0 7 18 16 15 13 12 10 10 10 9 9 71.5N * * * 0 4 9 13 18 22 23 24 26 27 70.5N * * * * * * * * * * 0 0 0 0 3 8 12 69.5N 3 * * * * * * * * 3 10 15 18 20 20 20 68.5N 24 25 25 22 16 12 9 7 8 8 8 8 9 67.5N 21 20 20 20 20 19 16 14 11 11 12 14 66.5N 6 9 20 29 36 41 44 44 41 36 29 24 65.5N 9 10 15 23 34 42 47 50 50 50 50 50 46 64.5N 24 27 32 37 42 46 49 49 46 45 45 46 63.5N 20 21 24 27 32 37 42 46 49 49 46 45 45 46 63.5N 20 21 24 27 32 36 39 40 40 41 44 46 62.5N 20 21 24 27 32 36 39 40 40 41 44 46 62.5N 20 20 20 20 20 20 22 26 22 26 24 22 21 25 61.5N 26 24 21 16 7 16L 16L 19 25 33 41 46 60.5N 49 47 42 36 29 22 17 16 19 25 33 41 46 60.5N 49 47 42 36 29 22 17 16 19 25 35 42 59.5N 50 49 46 44 41 37 32 27 22 19 16 16 58.5N 56 52 47 42 37 34 31 29 26 26 26 29 34 57.5N 62 59 56 54 51 52 57 59 56 52 47 46 56.5N 70 65 65 47 72 74 71 69 66 64 61 57 55.5N 85 74 71 71 74 75 75 76 79 79 78 74 54.5N 134 125 105 90 80 72 67 64 61 59 56 54.5N 16 142 177 184 161 131 94 72 67 64 61 59 53.5N 159 174 171 151 114 87 72 64 61 59 56 54.5N 16 142 177 184 161 131 94 72 67 64 61 59 53.5N 16 16 142 177 184 161 131 94 72 67 64 61 59 51.5N 77 91 124 144 151 139 106 85 75 69 66 64 50.5N 69 74 91 114 141 149 136 117 92 77 72 69 49.5N 60 60 80 90 100 150 100 90 80 70 70 70 70 48.5N 50 40 80 80 90 100 150 100 90 80 70 70 70 70 48.5N 50 40 80 80 90 100 150 100 90 90 90 90 90 80 46.5N 40 40 80 80 170 190 190 180 160 160 150 130										
71.5N										
7C.5N										
69.5N 3 * * * * * * 3 10 15 18 20 20 20 20 68.5N 24 25 25 22 16 12 9 7 8 8 8 8 9 9 67.5N 21 20 20 20 20 19 16 14 11 11 12 14 66.5N 6 9 20 29 36 41 44 44 41 36 29 24 65.5N 9 10 15 23 34 42 47 50 50 50 50 50 46 64.5N 24 27 32 37 42 46 49 49 46 45 45 46 63.5N 20 21 24 27 32 36 39 40 40 40 41 44 46 62.5N 20 20 20 20 20 20 20 22 26 26 26 24 22 21 25 61.5N 26 24 21 16 7 161 161 19 25 33 41 46 60.5N 49 47 42 36 29 22 17 16 19 25 33 41 46 60.5N 49 47 42 36 29 22 17 16 19 25 33 41 46 60.5N 49 47 42 36 29 22 17 16 19 25 35 42 59.5N 50 49 46 44 41 37 32 27 22 19 16 16 58.5N 56 52 47 42 37 34 31 29 26 26 26 29 34 57.5N 62 59 56 54 51 52 57 59 56 52 47 46 56.5N 70 65 65 67 72 74 71 69 66 64 61 57 55.5N 85 74 71 71 71 74 75 75 76 79 79 78 74 54.5N 134 125 105 90 80 72 67 64 61 59 56 54 51 52 57 59 56 52 47 46 57 55.5N 159 174 171 151 114 87 72 64 61 59 56 54 51 52 57 59 56 52 47 46 57 55.5N 159 174 171 151 114 87 72 64 61 59 56 54 51 52 57 59 56 52 47 46 61 57 55.5N 159 174 171 151 114 87 72 64 61 59 56 54 51 52 57 59 56 52 47 46 61 57 55.5N 159 174 171 151 114 87 72 64 61 59 56 54 51 52 57 59 56 66 64 61 57 55.5N 159 174 171 151 114 87 72 64 61 59 56 54 51 52 57 59 56 66 64 61 57 55.5N 159 174 171 151 114 87 72 64 61 59 56 54 51 52 57 59 56 66 64 61 59 56 54 51 51 51 51 51 51 51 51 51 51 51 51 51										
68.5N 24 25 25 22 16 12 9 7 8 8 8 8 9 67.5N 21 20 20 20 20 19 16 14 11 11 12 14 66.5N 6 9 20 29 36 41 44 44 41 36 29 24 65.5N 9 10 15 23 34 42 47 50 50 50 50 50 46 64.5N 24 27 32 37 42 46 49 49 46 45 45 46 63.5N 20 21 24 27 32 36 39 40 40 41 44 46 62.5N 20 20 20 20 20 20 20 22 26 26 24 22 21 25 61.5N 26 24 21 16 7 16L 16L 19 25 33 41 46 60.5N 49 47 42 36 29 22 17 16 19 25 33 41 46 60.5N 49 47 42 36 29 22 17 16 19 25 33 41 46 60.5N 50 50 50 50 50 50 50 50 50 50 50 50 50										
67.5N 21 20 20 20 20 19 16 14 11 11 12 14 66.5N 6 9 20 29 36 41 44 44 44 41 36 29 24 65.5N 9 10 15 23 34 42 47 50 50 50 50 46 64.5N 24 27 32 37 42 46 49 49 46 45 45 46 63.5N 20 21 24 27 32 36 39 40 40 41 44 46 62.5N 20 20 20 20 20 20 20 22 26 26 26 24 22 21 25 61.5N 26 24 21 16 7 16L 16L 19 25 33 41 46 60.5N 49 47 42 36 29 22 17 16 19 25 35 42 59.5N 50 49 46 44 41 37 32 27 22 19 16 16 58.5N 56 52 47 42 36 29 22 17 16 19 25 35 42 57.5N 62 59 56 54 51 52 57 59 56 52 47 46 55.5N 70 65 65 67 72 74 71 69 66 64 61 57 55.5N 85 74 71 71 74 75 75 76 79 79 78 74 54.5N 134 125 105 90 80 72 67 64 61 60 60 59 51.5N 77 91 124 144 151 139 106 85 75 69 66 64 51 59 56 54 51 52 57 59 56 54 51 52 57 59 56 54 51 52 57 59 56 54 61 59 55 55 51 16 142 177 184 161 131 94 72 67 64 61 59 56 54 51 52 57 59 56 54 61 59 56 54 51 52 57 59 56 52 47 46 61 57 55.5N 85 74 71 71 74 75 75 76 79 79 78 74 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 75 76 79 79 78 74 75 75 75 76 79 79 78 74 75 75 75 76 79 79 78 74 75 75 75 76 79 79 78 74 75 75 75 76 79 79 78 74 75 75 75 76 79 79 78 74 75 75 75 76 79 79 78 74 75 75 75 76 79 79 78 74 75 75 75 76 79 79 78 74 75 75 75 76 79 79 78 74 75 75 75 76 79 79 78 74 75 75 75 76 79 79 78 74 75 75 75 76 79 79 78 74 75 75 75 76 79 79 78 74 75 75 75 76 79 79 78 74 75 75 75 76 79 79 78 74 75 75 75 76 79 79 78 74 75 75 75 76 79 79 79 78 74 75 75 75 75 75 75 75 75 75 75 75 75 75										
66.5N 6 9 20 29 36 41 44 44 41 36 29 24 65.5N 9 10 15 23 34 42 47 50 50 50 50 66 46 45 45 46 64.5N 24 27 32 37 42 46 49 49 46 45 45 46 63.5N 20 21 24 27 32 36 39 40 40 41 44 46 62.5N 20 20 20 20 20 20 22 26 26 24 22 21 25 61.5N 26 24 21 16 7 166 161 19 25 33 41 46 60.5N 49 47 42 36 29 22 17 16 19 25 33 41 46 60.5N 49 47 42 36 29 22 17 16 19 25 35 42 59.5N 50 49 46 44 41 37 32 27 22 19 16 16 58.5N 56 52 47 42 37 34 31 29 26 26 26 29 34 57.5N 62 59 56 54 51 52 57 59 56 52 47 46 56.5N 70 65 65 65 67 72 74 71 69 66 64 61 57 55.5N 85 74 71 71 74 75 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 78 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 74 75 75 76 79 79 79 78 78 74 75 75 75 76 79 79 79 78 78 74 75 75 76 79 79 79 78 78 74 75 75 76 79 79 79 78 78 74 75 75 75 76 79 79 79 78 78 74 75 75 76 79 79 79 78 78 74 75 75 75 76 79 79 79 78 78 74 75 75 76 79 79 79 78 78 74 75 75 75 76 79 79 79 78 78 78 78 78 78 78 78 78 78 78 78 78										
65.5N 9 10 15 23 34 42 47 50 50 50 50 46 64.5N 24 27 32 37 42 46 49 49 46 45 45 46 63.5N 20 21 24 27 32 36 39 40 40 41 44 46 62.5N 20 20 20 20 20 22 26 26 24 22 21 61.5N 26 24 21 16 7 16L 16L 19 25 33 41 46 60.5N 49 47 42 36 29 22 17 16 19 25 35 42 59.5N 50 49 46 44 41 37 32 27 22 19 16 16 58.5N 56 52 47 42 37 34 31 29 26 26 29 34 57.5N 62 59 56 54 51 52 57 59 56 52 47 46 56.5N 70 65 65 67 72 74 71 69 66 64 61 55.5N 85 74 71 71 74 75 75 76 79 79 78 74 54.5N 134 125 105 90 80 72 67 64 61 59 53.5N 159 174 171 151 114 87 72 64 61 59 56 54.5N 16 142 177 184 161 131 94 72 67 64 61 59.5N 60 60 80 90 100 150 100 90 80 70 70 48.5N 50 40 40 80 80 170 190 190 180 160 160 150 130										
64.5N 24 27 32 37 42 46 49 49 46 45 45 46 63.5N 20 21 24 27 32 36 39 40 40 40 41 44 46 62.5N 20 20 20 20 20 22 26 26 26 24 22 21 25 61.5N 26 24 21 16 7 16L 16L 19 25 33 41 46 60.5N 49 47 42 36 29 22 17 16 19 25 35 42 59.5N 50 49 46 44 41 37 32 27 22 19 16 16 58.5N 56 52 47 42 37 34 31 29 26 26 29 34 57.5N 62 59 56 54 51 52 57 59 56 52 47 46 56.5N 70 65 65 65 67 72 74 71 69 66 64 61 57 55.5N 85 74 71 71 74 75 75 75 76 79 79 78 74 54.5N 134 125 105 90 80 72 67 64 61 60 60 59 53.5N 159 174 171 151 114 87 72 67 64 61 59 56 54 51 52 57 59 56 52 47 46 52.5N 116 142 177 184 161 131 94 72 67 64 61 59 56 54 51 51 51 51 114 87 72 67 64 61 59 56 54 54 51 55.5N 77 91 124 144 151 139 106 85 75 69 66 64 61 59 56 54 54 51 55.5N 77 91 124 144 151 139 106 85 75 69 66 64 61 59 56 54 54 51 50.5N 60 60 80 90 100 150 100 90 80 70 70 70 70 49.5N 60 60 80 90 100 150 100 90 80 70 70 70 70 49.5N 60 60 80 90 90 90 100 80 70 70 70 70 48.5N 50 40 40 80 80 170 190 190 180 160 160 150 130										
63.5N 20 21 24 27 32 36 39 40 40 41 44 46 62.5N 20 20 20 20 20 22 26 26 24 22 21 25 61.5N 26 24 21 16 7 16L 16L 19 25 33 41 46 60.5N 49 47 42 36 29 22 17 16 19 25 35 42 59.5N 50 49 46 44 41 37 32 27 22 19 16 16 58.5N 56 52 47 42 37 34 31 29 26 26 26 29 34 57.5N 62 59 56 54 51 52 57 59 56 52 47 46 56.5N 70 65 65 67 72 74 71 69 66 64 61 57 55.5N 85 74 71 71 74 75 75 75 76 79 79 78 74 54.5N 134 125 105 90 80 72 67 64 61 60 60 59 53.5N 159 174 171 151 114 87 72 64 61 59 56 54 51 52.5N 16 142 177 184 161 131 94 72 67 64 61 59 56 54 51 52.5N 16 142 177 184 161 131 94 72 67 64 61 59 56 54 51 50.5N 77 91 124 144 151 139 106 85 75 69 66 64 61 59 56 54 51 50.5N 60 60 80 90 100 150 100 90 80 70 70 70 49.5N 60 60 80 90 100 150 100 90 80 70 70 70 49.5N 60 60 80 90 90 90 100 80 70 70 70 70 47.5N 40 40 80 80 80 170 190 190 180 160 160 150 130										
62.5N 20 20 20 20 20 22 26 26 24 22 21 25 61.5N 26 24 21 16 7 16L 16L 19 25 33 41 46 60.5N 49 47 42 36 29 22 17 16 19 25 35 42 59.5N 50 49 46 44 41 37 32 27 22 19 16 16 58.5N 56 52 47 42 37 34 31 29 26 26 29 34 57.5N 62 59 56 54 51 52 57 59 56 52 47 46 56.5N 70 65 65 67 72 74 71 69 66 64 61 57 55.5N 85 74 71 71 74 75 75 76 79 79 78 74 54.5N 134 125 105 90 80 72 67 64 61 60 60 59 53.5N 159 174 171 151 114 87 72 64 61 59 56 54 51 52 57 59 56 52 47 46 52.5N 116 142 177 184 161 131 94 72 67 64 61 59 56 54 51 52 57 59 56 52 47 46 61 59 56 52 57 59 56 52 47 46 61 59 56 54 51 52 57 59 56 52 47 46 61 57 75 75 76 79 79 78 78 74 71 71 71 74 75 75 75 76 79 79 78 78 74 71 71 71 74 75 75 76 79 79 78 78 74 75 75 76 79 79 78 78 74 75 75 76 79 79 78 78 74 75 75 76 79 79 78 78 74 75 75 76 79 79 78 78 74 75 75 76 79 79 79 78 78 74 75 75 76 79 79 79 78 78 74 75 75 76 79 79 79 78 78 74 75 75 76 79 79 79 78 78 74 75 75 76 79 79 79 78 78 74 75 75 76 79 79 79 78 78 74 75 75 76 79 79 79 78 78 74 75 75 76 79 79 79 78 78 78 78 78 78 78 78 78 78 78 78 78										
61.5N										
60.5N										
59.5N       50       49       46       44       41       37       32       27       22       19       16       16         58.5N       56       52       47       42       37       34       31       29       26       26       29       34         57.5N       62       59       56       54       51       52       57       59       56       52       47       46         56.5N       70       65       65       67       72       74       71       69       66       64       61       57         55.5N       85       74       71       71       74       75       75       76       79       79       78       74         54.5N       134       125       105       90       80       72       67       64       61       60       60       59         53.5N       159       174       171       151       114       87       72       64       61       59       56       54         52.5N       116       142       177       184       161       131       94       72       67       64       61										
58.5N       56       52       47       42       37       34       31       29       26       26       29       34         57.5N       62       59       56       54       51       52       57       59       56       52       47       46         56.5N       70       65       65       67       72       74       71       69       66       64       61       57         55.5N       85       74       71       71       74       75       75       76       79       79       78       74         54.5N       134       125       105       90       80       72       67       64       61       60       60       59         53.5N       159       174       171       151       114       87       72       64       61       59       56       54         52.5N       116       142       177       184       161       131       94       72       67       64       61       59         51.5N       77       91       124       144       151       139       106       85       75       69       66<										
57.5N 62 59 56 54 51 52 57 59 56 52 47 46 56.5N 70 65 65 67 72 74 71 69 66 64 61 57 55.5N 85 74 71 71 74 75 75 76 79 79 78 74 54.5N 134 125 105 90 80 72 67 64 61 60 60 59 53.5N 159 174 171 151 114 87 72 64 61 59 56 54 52.5N 116 142 177 184 161 131 94 72 67 64 61 59 56 54 52.5N 116 142 177 184 161 131 94 72 67 64 61 59 56 54 51.5N 77 91 124 144 151 139 106 85 75 69 66 64 50.5N 69 74 91 114 141 149 136 117 92 77 72 69 49.5N 60 60 80 90 100 150 100 90 80 70 70 70 48.5N 50 40 80 90 90 90 100 80 70 70 70 70 47.5N 40 40 80 80 130 120 100 170 120 90 90 90 90 80 46.5N 40 40 80 80 170 190 190 180 160 160 150 130										
56.5N 70 65 65 67 72 74 71 69 66 64 61 57 55.5N 85 74 71 71 74 75 75 76 79 79 78 74 54.5N 134 125 105 90 80 72 67 64 61 60 60 59 53.5N 159 174 171 151 114 87 72 64 61 59 56 54 52.5N 116 142 177 184 161 131 94 72 67 64 61 59 56 54 51.5N 77 91 124 144 151 139 106 85 75 69 66 64 50.5N 69 74 91 114 141 149 136 117 92 77 72 69 49.5N 60 60 80 90 100 150 100 90 80 70 70 70 48.5N 50 40 80 90 90 90 90 100 80 70 70 70 70 47.5N 40 40 80 80 130 120 100 170 120 90 90 90 90 80 46.5N 40 40 80 80 170 190 190 180 160 160 150 130										
55.5N 85 74 71 71 74 75 75 76 79 79 78 74 54.5N 134 125 105 90 80 72 67 64 61 60 60 59 53.5N 159 174 171 151 114 87 72 64 61 59 56 54 52.5N 116 142 177 184 161 131 94 72 67 64 61 59 51.5N 77 91 124 144 151 139 106 85 75 69 66 64 50.5N 69 74 91 114 141 149 136 117 92 77 72 69 49.5N 60 60 80 90 100 150 100 90 80 70 70 70 48.5N 50 40 80 90 90 90 100 80 70 70 70 47.5N 40 40 80 80 130 120 100 170 120 90 90 90 80 46.5N 40 40 80 80 170 190 190 180 160 160 150 130										57
54.5N 134 125 105 90 80 72 67 64 61 60 60 59 53.5N 159 174 171 151 114 87 72 64 61 59 56 54 52.5N 116 142 177 184 161 131 94 72 67 64 61 59 56 54 51.5N 77 91 124 144 151 139 106 85 75 69 66 64 50.5N 69 74 91 114 141 149 136 117 92 77 72 69 49.5N 60 60 80 90 100 150 100 90 80 70 70 70 48.5N 50 40 80 90 90 90 100 80 70 70 70 70 47.5N 40 40 80 80 130 120 100 170 120 90 90 90 80 46.5N 40 40 80 80 170 190 190 180 160 160 150 130										74
53.5N 159 174 171 151 114 87 72 64 61 59 56 54 52.5N 116 142 177 184 161 131 94 72 67 64 61 59 51.5N 77 91 124 144 151 139 106 85 75 69 66 64 50.5N 69 74 91 114 141 149 136 117 92 77 72 69 49.5N 60 60 80 90 100 150 100 90 80 70 70 70 48.5N 50 40 80 90 90 90 100 80 70 70 70 70 47.5N 40 40 80 80 130 120 100 170 120 90 90 90 90 80 46.5N 40 40 80 80 80 170 190 190 180 160 160 150 130										59
52.5N     116     142     177     184     161     131     94     72     67     64     61     59       51.5N     77     91     124     144     151     139     106     85     75     69     66     64       50.5N     69     74     91     114     141     149     136     117     92     77     72     69       49.5N     60     60     80     90     100     150     100     90     80     70     70     70       48.5N     50     40     80     90     90     90     100     80     70     70     70     70       47.5N     40     40     80     130     120     100     170     120     90     90     90     80       46.5N     40     40     80     80     170     190     190     180     160     160     150     130									56	54
51.5N 77 91 124 144 151 139 106 85 75 69 66 64 50.5N 69 74 91 114 141 149 136 117 92 77 72 69 49.5N 60 60 80 90 100 150 100 90 80 70 70 70 48.5N 50 40 80 90 90 90 100 80 70 70 70 70 47.5N 40 40 80 130 120 100 170 120 90 90 90 80 46.5N 40 40 80 80 170 190 190 180 160 160 150 130									61	59
50.5N 69 74 91 114 141 149 136 117 92 77 72 69 49.5N 60 60 80 90 100 150 100 90 80 70 70 70 48.5N 50 40 80 90 90 90 100 80 70 70 70 47.5N 40 40 80 130 120 100 170 120 90 90 90 80 46.5N 40 40 80 80 170 190 190 180 160 160 150 130								69	66	64
49.5N       60       60       80       90       100       150       100       90       80       70       70       70         48.5N       50       40       80       90       90       100       80       70       70       70       70         47.5N       40       40       80       130       120       100       170       120       90       90       90       80         46.5N       40       40       80       80       170       190       190       180       160       160       150       130										69
48.5N 50 40 80 90 90 100 80 70 70 70 70 47.5N 40 40 80 130 120 100 170 120 90 90 90 80 46.5N 40 40 80 80 170 190 190 180 160 160 150 130									70	
47.5N 40 40 80 130 120 100 170 120 90 90 90 80 46.5N 40 40 80 80 170 190 190 180 160 160 150 130									70	
46.5N 40 40 80 80 170 190 190 180 160 160 150 130								90	90	
							160	160	150	130
					190	170	180	180	180	160

240.5 241.5 242.5 243.5 244.5 245.5 246.5 247.5 248.5 249.5 250.5 251.5 200 20C 200 170 90 190 190 44.5N 110 115 100 160 190 250 190 190 220 43.5N 140 140 90 80 90 170 160 160 200 230 42.5N 140 160 115 130 120 13C 170 170 190 210 190 200 41.5N 190 160 170 160 100 190 200 160 180 200 200 190 125 200 280 40.5N 120 170 150 170 200 190 160 180 190 170 190 200 39.5N 170 150 200 200 200 200 170 210 220 17C 190 220 38.5N 190 170 190 190 180 200 190 170 190 230 37.5N 160 170 150 160 170 180 170 200 180 180 36.5N 30 170 110 89 110 90 110 1.50 160 190 180 200 70 100 170 210 180 180 35.5N 20 80 80 70 90 200 220 190 34.5N 30 50 90 90 57 30 80 120 180 80 110 200 20C 33.5N \* \* 15 90 35 20 70 43 \* 75 100 120 170 32.5N \* 30 60 \* 80 30 20 160 72 95 160 31.5N \* \* \* 170 0 0 80 \* 150 180 \* \* 40 59 110 30.5N \* \* 130 0 120 170 \* \* 75 49 29.5N \* \* \* 50 \* 0 30 180 28.5N \* \* \* \* \* \* 60 \* 20 60 75 27.5N \* \* \* \* 20 20 60 0 \* 10 43 35 26.5N \* \* \* \* \* \* 40 \* \* 10 25.5N \* \* \* \* 50 \* \* 40 24.5N \* \* \* \* \* \* \* 30 \* \* 3 \* 23.5% \* \* \* \* \* \* 22.5N \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 21.5N \* \* \* 20.5N \* \* \* 19.5N \* \* \* \* \* \* \* \* \* \* \* \* \* \* 18.5N 17.5N \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 16.5N \* \* \* \* 15.5N \* \* \* \* \* \* \* \* \* \* \* \* 14.5N \* \* \* \* \* 13.5N \* \* \* \* 12.5N \* \* \* \* \* \* 11.5N \* \* \* \* \* \* \* 10.5N \* \* \* \* \* \* 9.5N \* \* \* \* 8.5N \* \* \* \* \* \* \* \* \* \* \* 7.5N \* \* \* \* \* \* \* \* 6.5N \* \* \* \* \* 5.5N \* \* \* \* \* \* 4.5N \* 3.5N \* \* \* \* \* \* \* \* 2.5N

1.5N

0.5N

\*

\*

\*

\*

\*

\*

\*

\*

\*

240.5 241.5 242.5 243.5 244.5 245.5 246.5 247.5 248.5 249.5 250.5 251.5

0.5\$	*	*	*	*	*	*	*	*	*	#	*	*
1.58	*	*	*	*	*	*	*	*	*	*	*	*
2.58	*	*	*	*	*	*	*	*	*	*	*	*
3.55	*	*	*	*	*	*	*	*	*	*	*	*
4.58	*	*	*	*	*	*	*	*	*	*	*	*
5.5\$	*	*	*	* -	*	*	*	*	*	*	*	*
6.58	*	*	*	*	*	*	*	*	*	*	*	*
7.55	*	*	*	*	*	*	*	*	*	*	*	*
8.55	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.55	*	*	*	*	*	*	*	*	*	*	*	*
11.55	*	*	*	*	*	*	*	*	*	*	*	*
12.55	*	*	*	*	*	*	*	*	*	*	*	*
13.55	*	*	*	*	*	*	*	*	*	*	*	*
	*	*	*	*	*	*	*	*	*	*	*	*
14.55		*	*	*	*	*	*	*	*	*	*	*
15.5\$	*					*	*	*	*	*	*	*
16.55		*	*	*	*		-		*	*	*	*
17.55	*	*	*	*	*	*	*	*	*	*	*	*
18.55	*	*	*	*	*	*	*	*	*	*	*	*
19.55	*	*	*	*	*	*	*	*				
20.55	*	*	*	*	*	*	*	*	*	*	*	*
21.5\$	*	*	*	*	*	*	*	*	*	*	*	*
22.5\$	*	*	*	*	*	*	*	*	*	*	*	*
23.5\$	*	*	*	*	*	*	*	*	*	*	*	*
24.58	*	#	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5\$	*	*	*	*	*	*	*	*	*	*	*	*
27.55	*	*	*	*	*	*	*	*	*	*	*	×
28.55	*	*	*	*	*	*	*	*	*	*	*	*
29.58	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.55	*	*	*	*	*	*	*	*	*	*	*	*
33.58	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.55	*	*	*	*	*	*	*	*	*	*	*	*
36.55	*	*	*	*	*	*	*	*	*	*	*	*
37.55	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.58	*	*	*	*	*	*	*	*	*	*	*	*
40°•5S	*	*	*	*	*	*	*	*	*	*	*	*
41.55	*	*	*	*	*:	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.55 43.5S	*	*	*	<b>+</b>	*	*	*	*	*	*	*	*
	-	*	*	*	*	*	*	*	*	*	*	*
44.58	*	*	4	*	*	*	*	₹	~	•	~	~

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE
240.5 241.5 242.5 243.5 244.5 245.5 246.5 247.5 248.5 249.5 250.5 251.5

45.55	*	*	*	*	*	*	*	*	*	*	*	*
46.58	*	*	*	*	*	*	*	*	*	*	*	*
47.55	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.58	* .	*	*	*	*	*	*	*	*	*	*	*
51.58	*	*	*	*	*	*	*	*	*	*	*	*
52.58	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.55	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57 <b>.</b> 5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.55	*	*	*	*	*	*	*	*	*	*	*	*
60.55	*	*	*	*	*	*	*	*	*	*	*	*
61.58	*	*	*	*	*	*	*	*	*	*	*	*
62.58	*	*	*	*	*	*	*	*	*	*	*	*
63.55	*	*	*	*	*	*	*	*	*	*	*	*
64.55	*	*	*	*	*	*	*	*	*	*	*	*
65.58	*	*	*	*	*	*	*	*	*	*	*	*
66.55	*	*	*	* .	*	*	*	*	*	*	*	*
67.55	*	*	*	*	*	*	*	*	*	*	*	*
68.55	*	*	*	*	*	*	*	*	*	*	*	*
69.5\$	*	*	*	*	*	*	*	*	*	*	*	*
70.55	*	*	*	*	*	*	*	*	*	*	*	*
71.55	*	*	*	*	*	*	*	*	*	*	*	*
72.5\$	*	*	*	*	*	*	*	*	*	*	*	**
73.55	*	*	*	*	*	* .	*	*	*	*	*	*
74.55	20	20	20	20	19	19	18	18	14	10	*	*
75.5\$	155	154	152	144	135	127	118	110	101	92	84	75
76.55	231	222	212	204	196	188	180	172	164	156	148	140
77.55	198	197	196	191	186	182	177	172	166	159	153	146
78.55	160	160	160	160	161	161	162	162	163	164	166	167
79.55	149	152	154	158	161	165	168	172	174	175	177	178
80.55	106	110	114	118	122	126	130	134	138	142	146	150
81.55	81	84	88	91	94	99	105	111	117	123	129	135
82.55	75	78	80	82	85	89	95	101	107	113	119	126
83.5S	71	74	77	80	83	87	92	97	102	107	112	117
84.55	87	91	95	100	104	109	115	121	127	133	139	145
85.55	148	153	157	161	166	172	179	186	194	201	209	216
86.55	240	238	237	235	234	234	237	240	242	245	248	250
87.55	260	260	260	260	260	260	260	260	260	260	260	260
88.5\$	279	279	279	279	279	279	278	277	276	275	274	273
89.55	280	280	280	280	280	280	280	280	280	280	280	280

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

252.5 253.5 254.5 255.5 256.5 257.5 258.5 259.5 260.5 261.5 262.5 263.5

0.0 51							_					
89.5N	#	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	<b>*</b>	*	*	*	*	*	*	*	
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*		*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*		*	*
81.5N	*	*	*	*	*	*	*	*	* .	* *	*	*
80.5N	*	*	*	*	*	*	*	*	*		*	*
79.5N 78.5N	*	*	*	*	*	*	*		*	*		
77.5N	*	*	*	*	*	*	0 *	0 *	*	4 *	9 *	9 *
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	14	13	12		10	10			9		8	8
74.5N	*	*	*	11 *	*	*	9 *	9 *	*	8 *	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	9	8	7	6	6	5	-5	4	4	4	4	3
71.5N	28	25	22	20	17	14	*	*	*	*	*	*
70.5N	16	16	17	17	17	18	16	14	12	10	8	8
69.5N	20	21	24	24	21	16	9	6	6	6	8	10
68.5N	9	8	7	5	*	*	*	*	*	ì	5	7
67.5N	16	17	16	14	11	10	10	9	9	10	10	10
66.5N	21	20	20	20	20	19	16	15	15	16	19	20
65.5N	39	31	24	20	20	19	16	14	11	10	10	11
64.5N	49	49	46	41	34	27	22	19	16	14	11	10
63.5N	49	49	46	41	34	27	22	20	20	19	16	14
62.5N	35	42	47	49	46	41	34	27	22	19	16	14
61.5N	49	50	50	49	46	42	37	32	27	22	17	14
60.5N	47	50	50	50	50	50	50	47	42	36	27	20
59.5N	19	25	35	42	47	50	50	47	42	35	25	17
58.5N	41	46	49	50	50	50	50	47	42	36	29	22
57.5N	49	50	50	50	50	35L	50	47	42	36	29	22
56.5N	52	50	50	50	50	49	46	41	34	27	22	19
55.5N	66	61	57	54	51	49	46	41	34	26	19	14
54.5N	56	54	51	49	46	42	37	32	27	22	17	14
53.5N	51	50	50	49	46	42	37	31	24	22L	12	11
52.5N	56	54	51	50	50	49	46	40	30	24	22L	20
51.5N	61	59	56	54	51	50	50	45	35	25	15	11
50.5N	66	64	61	60	60	59	56	50	40	30	20	15
49.5N	70	70	70	60	60	50	50	50	50	30	10	20
48.5N	70	80	70	60	60	60	50	50	40	49	32	20
47.5N	08	90	90	70	60	60	50	50	50	40	40	30
46.5N	90	80	80	90	80	75	75	60	50	50	40	40
45.5N	130	140	130	110	90	70	60	50	50	40	40	40

252.5 253.5 254.5 255.5 256.5 257.5 258.5 259.5 260.5 261.5 262.5 263.5 44.5N 50 50 40 40 190 40 180 160 130 100 80 60 40 40 43.5N 200 180 160 140 110 90 100 70 50 40 42.5N 200 190 190 130 110 100 90 70 40 40 40 160 210 70 50 40 40 41.5N 220 210 180 150 120 100 80 50 40 40.5N 220 285 260 180 160 130 90 80 70 5 C 40 30 230 310 280 200 170 140 100 80 70 40 39.5N 50 40 40 260 90 70 38.5N 280 240 170 170 140 110 37.5N 270 270 140 100 80 70 50 40 40 260 210 170 36.5N 220 100 70 40 30 30 220 250 190 160 140 110 70 30 20 35.5N 210 90 40 190 200 170 140 105 100 34.5N 20 200 80 70 40 3 C 30 180 180 150 130 120 40 40 30 20 33.5N 180 180 190 120 120 110 90 70 20 20 32.5N 170 170 170 100 110 100 80 70 50 40 20 31.5N 160 140 120 100 80 80 80 60 40 30 20 30.5N 50 50 30 20 20 170 145 60 110 110 100 70 20 10 40 30 29.5N 170 140 110 100 100 70 50 40 9 0 28.5N 180 170 150 125 50 30 20 20 110 110 0 \* 20 20 20 27.5N 170 200 170 160 160 130 60 26.5N 170 210 180 180 180 160 110 50 30 20 25.5N 60 190 180 170 170 170 140 100 50 20 0 24.5N 20 190 39 100 170 170 190 190 160 60 23.5N \* 30 90 180 100 30 160 200 200 190 \* 70 30 22.5N \* 20 170 160 200 200 160 21.5N \* \* 75 140 160 230 190 95 29 190 0 \* 20.5N \* 0 140 150 140 150 160 180 \* \* \* 19.5N \* 25 280 220 125 185 160 160 230 \* 18.5N × 23 35 80 130 150 57 \* 25 \* \* \* \* \* 50 75 80 140 140 17.5N \* \* 30 110 \* \* \* C 16.5N \* × \* \* \* \* \* \* ¥ \* \* \* 15.5N \* \* \* \* 14.5N \* \* \* \* \* \* \* \* \* \* 13.5N \* \* \* \* \* \* 12.5N \* \* \* \* \* 11.5N \* \* \* \* \* \* \* \* 10.5N \* 太 \* \* \* \* \* \* \* 9.5N \* \* \* \* \* \* 8.5N \* \* \* \* \* \* \* \* \* 7.5N \* \* \* \* \* \* \* \* 6.5N \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 5.5N \* \* \* \* \* \* \* \* \* \* \* 4.5N \* \* \* \* 3.5N \* \* \* \* \* \* \* 2.5N \* \* £ \* 1.5N \* \* \* \* \* \* \* 本 0.5N \*

252.5 253.5 254.5 255.5 256.5 257.5 258.5 259.5 260.5 261.5 262.5 263.5

	202.0	403.0	254.5	230.3	200.0	201.0	230.3	209.0	200.5	201.5	2020	203.5
0.58	*	*	*	*	*	*	*	*	*	*	*	*
1.55	*	*	*	*	*	*	*	*	*	*	*	*
2.55	*	*	*	*	*	*	*	*	*	*	*	*
3.55	*	*	*	*	*	*	*	*	*	*	*	*
4.55	*	*	*	*	#	*	*	*	*	*	*	*
5.5\$	*	*	*	*	*	*	*	*	*	*	*	*
6.55	*	*	*	*	*	*	*	*	*`	*	*	*
7.58	*	*	*	*	*	*	*	*	*	*	*	*
8.55	*	*	*	*	*	*	*	*	*	*	*	*
9.58	*	*	*	*	*	*	*	*	*	*	*	*
10.55	*	*	*	*	*	*	*	*	*	*	*	*
11.58	*	*	*	*	*	*	*	*	*	*	*	*
12.55	*	*	*	*	*	*	*	*	*	*	*	. *
13.55	*	*	*	*	*	*	*	*	*	*	*	*
14.58	*	*	*	*	*	*	*	*	*	*	*	*
15.58	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.58	*	*	*	*	*	*	*	*	*	*	*	*
18.55	*	*	*	*	*	*	*	*	*	*	*	*
19.55	*	*	*	*	*	*	*	*	*	*	*	*
20.55	*	*	*	*	*	*	*	*	*	*	*	*
21.58	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.55	*	*	*	*	*	*	*	*	*	*	*	*
24.55	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.55	*	*	*	*	*	*	*	*	*	*	*	*
27.58	*	*	*	*	*	*	*	*	*	*	*	*
28.55	*	*	*	*	*	*	*	*	*	*	*	*
29.55	*	*	*	*	*	*	*	*	*	*	*	*
30.55	*	*	*	*	*	*	*	*	*	*	*	*
31.55	*	*	*	*	*	*	*	*	*	*	*	*
32.58	*	*	*	*	*	*	*	*	*	*	*	*
33.58	*	*	*	*.	*	*	*	*	*	*	*	*
34.55	*	*	*	*	*	*	*	*	*	*	*	*
35.55	*	*	*	*	*	*	*	*	*	*	*	*
36.55	*	*	*	*	*	*	*	*	*	*	*	*
37.55	*	*	*	*	*	*	*	*	*	*	*	*
38.55	*	*	*	*	*	*	*	*	*	*	*	*
39.55	*	*	*	*	*	*	*	*	*		*	*
40.55	*	*	*	*	* .	*	*	*	*	*	<b>≭</b> .	*
41.55	*	*	*	*	*	*	*	*	*	*	<b>₹</b>	*
42.55	*	*	*	*	*	*	*	*	*	*	*	*
43.55	* .	*	*	*	*	*	*	*	*	*	*	*
44.55	*	*	本	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

252.5 253.5 254.5 255.5 256.5 257.5 258.5 259.5 260.5 261.5 262.5 263.5

45.58	*	*	*	*	*	*	*	*	*	*	*	*
46.55	*	*	*	*	*	*	*	*	*	*	*	*
47.55	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.55	*	*	*	*	*	*	*	*	*	*	*	*
50.55	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.58	*	*	*	*	*	*	*	*	*	*	*	*
53.55	*	*	*	*	*	*	*	*	*	*	*	*
54.55	*	*	*	*	*	*	*	*	*	*	*	*
55.58	*	*	*	*	*	*	*	*	*	*	*	*
56.55	*	*	*	*	*	*	*	*	*	*	*	*
57.55	*	**	*	*	*	*	*	*	*	*	*	*
58.5\$	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.55	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	<b>*</b>
63.58	*	*	*	*	*	*	*	*	*	*	*	*
64.55	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.55	*	*	*	*	*	#	*	*	*	*	*	*
68.55	*	*	**	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.55	*	*	*	*	*	*	*	*	*	*	*	*
71.55	*	*	*	*	*	*	*	*	*	*	*	*
72.58	*	*	*	*	*	*	*	*	*	*	*	0
73.5\$	*	*	*	*	*	*	*	*	*	*	*	0
74.55	*	*	*	*	*	*	*	*	*	0	0	4
75.5S	66	64	63	61	60	58	63	68	74	79	84	80
76.5S	132	126	120	114	108	102	104	105	107	108	110	110
77.5S	140	140	140	140	140	140	140	140	140	140	140	140
78.55	168	166	165	163	162	160	160	161	161	162	162	164
79.55	180	181	182	182	183	184	188	191	195	198	202	204
80.58	154	158	162	166	170	173	177	181	185	189	192	196
81.55	141	147	153	159	164	170	175	181	186	192	197	203
82.5S	132	138	144	150	156	163	169	175	182	188	194	200
83.55	122	127	132	137	142	147	151	156	161	165	170	175
84.5S	151	157	163	169	174	179	185	190	196	201	206	212
85.5S	223	231	238	243	244	246	248	250	251	253	255	256
86.55	253	256	259	260	260	260	260	260	259	259	259	259
87.5S	260	260	260	260	260	260	260	260	260	260	260	260
88.5S	272	271	270	270	270	270	270	270	269	269	269	269
89.55	280	28C	280	280	280	280	280	280	280	280	280	280

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

264.5 265.5 266.5 267.5 268.5 269.5 270.5 271.5 272.5 273.5 274.5 275.5

89.5N \* \* \* \* \* \* \* \* 业 \* \* 88.5N \* \* \* \* \* \* \* \* \* \* \* \* 87.5N \* \* ¥ \* \* \* \* \* \* 86.5N \* \* \* \* \* \* \* \* \* 85.5N \* \* \* \* \* \* 84.5N \* \* 本 \* \* \* \* \* \* 83.5N \* \* \* \* \* \* \* \* 82.5N \* \* \* \* \* \* \* 81.5N \* \* \* \* \* \* \* \* 0 0 0 \* 80.5N \* \* \* \* \* 0 \* \* \* 0 0 \* 79.5N \* × 0 0 7 33 42 5 C 58 16 24 66 9 78.5N 9 9 9 9 9 9 9 10 10 11 12 77.5N \* \* \* \* \* \* \* \* 0 0 2 5 0 76.5N C 2 20 6 9 12 14 17 20 20 20 75.5N 9 9 9 9 17 19 22 26 29 11 13 15 74.5N \* # \* \* \* \* \* \* \* \* \* \* 73.5N \* 0 0 1 10 15 19 24 24 23 23 6 72.5N 1 0 \* \* \* \* \* \* 2 8 \* 0 71.5N 1 4 8 12 15 16 17 11 13 14 16 16 70.5N 7 7 6 9 7 8 10 10 11 11 6 8 69.5N 10 10 9 \* \* 10 10 7 3 \* \* \* 68.5N 9 10 9 3 \* 10 11 14 14 13 3 6 67.5N 10 9 11 10 10 14 19 13 12 16 18 15 66.5N 20 20 20 20 20 10 7 5 19 16 13 6 65.5N 14 16 19 19 9 3 3 1 16 13 6 4 64.5N 10 10 10 10 10 10 10 8 5 \* 3 6 63.5N 13 12 12 11 9 5 \* \* \* 0 2 62.5N 11 10 9 7 3 \* \* \* \* \* \* \* 61.5N 11 8 4 \* \* \* \* \* \* 60.5N 15 9 3 \* \* \* \* \* 59.5N 11 6 2 \* \* \* \* \* \* \* 58.5N 17 8 \* \* 13 3 \* \* \* \* \* 57.5N 17 9 5 \* \* 13 2 \* \* \* \* \* 56.5N \* 16 13 10 8 7 5 3 \* \* 6 55.5N 11 10 10 9 9 7 5 2 \* \* 9 8 54.5N 11 10 10 10 9 10 10 10 10 10 10 10 53.5N 14 15 15 14 11 11 14 16 19 19 16 13 52.5N 17 16 19 20 20 20 20 20 20 19 16 13 51.5N 14 16 19 20 19 20 20 20 20 20 20 20 50.5N 15 22 17 26 29 29 26 24 21 20 20 20 49.5N 20 20 20 20 20 30 20 20 20 20 20 20 48.5N 20 30 30 20 20 20 20 30 20 18L 18L 5 47.5N 30 20 20 30 20 18L 18L 18L 18L 18L 18L 20 46.5N 40 30 30 30 20 20 30 20 20 20 20 30 45.5N 40 30 30 30 20 20 30 20 20 18L 18L 10

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

264.5 265.5 266.5 267.5 268.5 269.5 270.5 271.5 272.5 273.5 274.5 275.5 20 18L 18L 20 44.5N 40 30 30 30 20 30 20 20 15 20 20 20 20 181 43.5N 40 40 30 30 20 20 20 20 42.5N 18L 30 30 30 20 20 20 20 20 18L 20 20 20 41.5N 30 30 30 20 20 20 20 20 20 20 20 20 20 20 20 30 30 20 20 20 40.5N 20 20 20 20 20 30 20 20 20 20 20 20 20 39.5N 20 20 20 20 30 30 20 20 20 20 10 10 38.5N 20 20 30 30 10 10 37.5N 30 20 20 20 20 10 30 40 36.5N 20 20 20 20 20 20 9 10 20 20 30 40 35.5N 20 20 20 20 20 10 9 20 20 30 20 30 50 34.5N 20 20 20 20 10 8 10 20 10 20 20 7 10 20 20 20 20 33.5N 10 10 10 10 32.5N 20 9 10 20 20 20 20 10 10 9 10 6 5 9 10 9 31.5N 20 10 10 8 7 8 3 8 30.5N 10 8 5 5 2 5 0 0 5 6 6 6 29.5N 5 0 0 0 5 0 \* \* \* \* 0 \* \* \* 28.5N \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 27.5N \* \* \* \* \* \* \* \* 26.5N \* \* \* 25.5N \* \* \* \* \* \* \* \* \* 24.5N \* \* \* \* \* \* \* \* \* \* \* \* 23.5N \* \* \* 22.5N \* \* \* \* \* \* \* \* \* \* \* 0 0 0 21.5N 20.5N \* \* \* \* \* 0 5 5 19.5N \* \* \* \* \* \* 10 8 \* \* \* \* \* 5 5 \* \* 18.5N 0 0 20 10 30 \* 17.5N 70 20 \* \* \* 40 30 20 20 20 \* \* 50 29 0 \* 16.5N 60 130 50 40 0 20 50 25 \* 25 25 15.5N \* 0 90 180 100 50 45 14.5N \* \* \* 100 70 60 30 \* 90 100 80 90 13.5N \* 70 70 40 \* \* 50 \* \* 30 20 \* 40 30 12.5N \* \* \* \* \* \* 5 40 \* 0 11.5N \* \* \* \* \* 30 30 \* \* 80 10.5N \* \* \* \* \* 20 9.5N \* \* \* \* \* \* \* \* 15 8.5N \* \* \* \* \* \* \* \* \* \* 7.5N \* \* \* \* \* \* \* \* \* \* 6.5N \* \* \* \* \* \* \* \* \* 5.5N \* \* \* \* \* \* \* \* 本 \* \* \* \* \* \* 4.5N \* \* \* \* \* 3.5N \* \* \* \* \* \* \* × 2.5N \* \* \* \* \* \* \* \* 1.5N \* 0.5N \*

264.5 265.5 266.5 267.5 268.5 269.5 270.5 271.5 272.5 273.5 274.5 275.5

0.58	*	*	*	*	*	*	*	*	*	*	*	*
1.58	*	*	*	*	*	*	*	*	*	*	*	*
2.55	*	*	*	*	*	*	*	*	*	*	*	*
3.58	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5\$	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.55	*	*	*	*	*	*	*	*	*	*	*	*
9.58	*	*	*	*	*	*	*	*	*	*	*	*
10.55	*	*	*	*	*	*	*	*	*	*	*	*
11.55	* *	*	*	*	*	*	*	*	*	*	*	*
12.55	*	*	*	*	*	*	*	*	*	*	*	*
13.55	*	*	*	*	*	*	*	*	*	*	*	*
14.55	*	*	*	*	*	*	*	*	*	*	*	*
15.55	*	*	*	*	*	*	*	*	*	*	*	*
16.55	*	*	*	*	*	*	*	*	*	*	*	*
17.55	*	*	*	*	*	*	*	*	*	*	*	*
18.55	*	*	*	*	*	*	*	*	*	*	*	*
19.55	*	*	*	*	*	*	*	*	*	*	*	*
20.55	*	*	*	*	*	*	*	*	*	*	*	*
21.55	*	*	*	*	*	*	. *	*	*	*	*	*
22.55	*	*	*	*	*	*	*	*	*	*	*	*
23.55	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.55	*	*	*	*	*	*	*	*	*	*	*	*
27.55	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.55	*	*	*	*	*	*	*	*	*	*	*	*
30.55	*	*	*	*	*	*	*	*	*	*	*	*
31.58	*	*	*	*	*	*	*	*	*	*	*	*
32.58	*	*	*	*	*	*	*	*	*	*	*	*
33.55	*	*	*	*	*	*	*	*	*	*	*	*
34.55	*	*	*	*	*	*	*	*	*	*	*	*
35.55	*	*	*	*	*	*	*	*	*	*	*	¥
36.55	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.55	*	*	*	*	*	*	*	*	*	*	*	*
39.55	*	*	*	*	*	*	*	*	*	*	*	*
40.55	*	*	*	*	. *	*	*	*	*	*	*	*
41.55	*	*	*	*	*	*	*	*	*	*	*	*
42.55	*	*	*	*	*	*	*	*	*	*	*	*
43.55	*	*	*	*	*	*	*	*	*	*	*	*
44.55	*	*	*	*	*	*	*	*	*	*	*	*

102

264.5 265.5 266.5 267.5 258.5 269.5 270.5 271.5 272.5 273.5 274.5 275.5

												4.
45.55	*	*	*	*	*	*	*	*	*	*	*	*
46.55	*	*	*	*	*	*	*	*	*	*	*	*
47.55	*	*	*	*	*	*	*	*	*	*	*	*
48.55	*	*	*	*	*	*	*	*	*	*	*	*
49.5\$	*	*	*	*	*	*	*	*	*	*	*	*
50.55	*	*	*	*	*	*	*	*	*	*	*	*
51.58	*	*	*	*	*	*	*	*	*	*	*	*
52.55	*	*	*	*	*	*	*	*	*	*	*	*
53.5\$	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	<del>*</del>
55.5S	*	*	*	*	*	*	*	*	. *	*	*	*
56.55	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.55	*	*	*	*	*	*	*	*	*	*		*
59.58	<b>*</b>	*	*	*	*	*	*	*	*	*	*	*
60.55	*	*	*	*	*	*	*	*	*	•	*	*
61.58	*	*	*	*	*	*	*	*	-	*	*	*
62.55	*	*	*	*	*	*	*	*	*	*	*	*
63.55	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	* .	*	*	*	*	*	*	*	*	*	*
65.5S 66.5S	*	*	*	*	*	*	*	*	*	*	*	*
	*	*	*	*	. * *	*	*	*	*	*	*	*
67.5S 68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.55	*	*	*	*	*	*	*	*	*	•	*	*
71.55	*	*	*	*	*	*	*	*	*	±	*	*
72.55	*	0	12	23	17	*	*	*	*	*	*	*
73.55	3	11	18	26	32	37	43	48	54	56	59	61
74.55	21	37	54	70	78	87	95	104	112	113	114	114
75.55	76	72	68	64	69	74	78	83	88	94	100	106
76.55	110	110	110	110	110	111	111	112	112	114	115	117
77.55	140	140	140	140	142	143	145	146	148	151	154	158
78.55	166	168	170	172	178	185	191	198	204	215	226	238
79.55	205	207	208	210	208	205	203	200	198	188	179	169
80.55	200	202	203	204	205	206	207	208	209	210	211	208
81.55	208	211	211	211	211	211	211	211	211	211	211	206
82.5S	207	210	209	208	208	207	206	205	205	204	203	199
83.55	180	183	184	185	187	188	190	191	192	194	195	194
84.55	217	220	219	219	219	218	218	217	217	217	216	214
85.55	258	258	256	255	253	251	250	248	246	245	243	238
86.55	259	258	257	255	253	252	250	249	247	245	244	240
87.55	260	260	260	259	259	259	259	259	258	258	258	257
88.55	269	269	268	267	266	265	264	263	262	261	260	260
89.55	280	280	280	280	280	280	280	280	280	280	280	280
<del>-</del>												

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

276.5 277.5 278.5 279.5 280.5 281.5 282.5 283.5 284.5 285.5 286.5 287.5

00 EN		*	<b>.</b>	*		*	*	*	*	*	*	*
89.5N 88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	C	Ċ	O	0	3	11	19
81.5N	0	Ö	3	10	18	25	32	39	46	50	49	49
80.5N	Ö	Ö	3	6	9	12	15	18	21	24	27	29
79.5N	74	82	74	67	59	52	44	38	31	25	18	*
78.5N	13	13	17	20	23	26	30	25	19	14	9	* *
77.5N	7	10	12	14	16	18	20	*	*	*	*	*
76.5N	20	20	18	17	15	14	*	*	*	*	*	*
75.5N	33	36	33	30	28	25	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	22	22	23	24	26	27	28	18	9	*	*	*
72.5N	15	22	24	25	27	28	30	26	21	17	*	*
71.5N	17	17	17	17	17	17	17	21	26	30	35	39
70.5N	12	12	14	15	17	18	20	21	22	24	25	26
69.5N	0	1	*	*	*	*	*	1	5	11	20	34
68.5N	11	11	7	*	*	*	*	*	*	*	4	16
67.5N	15	16	15	10	*	*	*	*	*	*	*	0
66.5N	5	3	*	*	*	*	*	2	5	8	9	9
65.5N	*	*	*	*	*	*	*	5	10	14	17	18
64.5N	12	10	*	*	*	*	*	0	3	7	8	8
63.5N	2	*	*	*	*	*	*	*	*	*	*	*
62.5N	*	*	*	*	*	*	*	*	*	*	*	*
61.5N	*	*	*	*	*	*	0	3	9	11	10	7
60.5N	*	*	*	*	*	*	0	2	6	8	9	10
59.5N	*	*	*	*	*	*	0	3	9	14	18	19
58.5N	*	*	*	*	*	*	0	6	12	16	19	19
57.5N	*	*	*	*	*	*	1	6	12	16	19	20
56.5N	*	*	*	*	*	*	2	7	12	16	19	20
55.5N	*	*	*	*	*	*	3	7	12	17	22	27
54.5N	7	3	*	*	*	1	7	14	21	27	32	37
53.5N	8	4	1	*	3	6	12	17	22	29	36	42
52.5N	9	6	3	*	*	1	6	11	17	24	31	39
51.5N	16	13	8	6	6	8	13	16	19	22	27	32
50.5N	20	20	20	20	20	20	20	21	24	26	29	30
49.5N	20	20	20	20	20	20	20	20	20	20	20	20
48.5N	20	20	20	20	20	20	20	20	20	20	20	20
47.5N	20	20	20	20	20	20	20	20	20	20	20	30
46.5N	20	20	20	20	20	30	30	30	20	20	20	20
45.5N	18L	18L	18L	18L	20	30	30	20	20	2 C	20	30

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

276.5 277.5 278.5 279.5 280.5 281.5 282.5 283.5 284.5 285.5 286.5 287.5 35 30 9 20 20 20 25 60 44.5N 15 18L 30 20 30 40 20 30 8L 3 43.5N 18L 20 20 10 6 20 25 40 30 20 30 40 42.5N 20 20 18L 18L 20 40 8 30 40 40 40 35 41.5N 20 181 20 20 40 50 5 \* 30 25 25 20 20 20 30 40 30 40.5N 20 5 39.5N 20 20 20 30 60 35 20 20 8 \* \* 38.5N 20 20 30 50 90 40 20 0 4 \* \* 10 5 \* 37.5N 40 50 60 70 40 20 \* \* 5 \* 36.5N 40 50 90 50 20 20 10 0 \* \* 35.5N 90 90 30 20 20 10 5 0 \* 本 20 34.5N 50 20 20 10 6 \* \* \* \* \* 33.5N 20 20 10 7 4 \* \* \* \* \* 32.5N 7 \* 20 10 0 \* \* \* \* \* \* 3 31.5N 10 8 \* \* \* 30.5N 7 8 0 10 \* 29.5N \* 5 \* \* 28.5N \* 0 7 0 \* \* \* \* \* 27.5N \* \* 6 5 \* \* \* \* 26.5N \* \* 5 # \* \* \* 25.5N \* \* 0 \* \* \* \* 24.5N \* \* \* \* \* \* \* \* \* \* \* \* 23.5N \* 0 0 \* \* \* \* 22.5N 2 0 30 \* \* 5 20 \* \* \* \* \* \* 21.5N 70 0 \* \* \* 20.5N \* \* 40 19.5N \* \* \* \* \* 0 \* \* \* 18.5N \* 17.5N \* \* \* \* \* \* \* \* 16.5N \* \* \* \* 0 \* 15.5N \* 5 \* 14.5N 0 \* \* \* 13.5N \* \* 12.5N 0 \* \* \* 9 \* 11.5N \* \* \* \* \* \* \* \* 10 120 70 10.5N 8 \* \* \* \* \* \* 5 \* 5 10 30 20 9.5N 130 10 \* \* 15 15 20 10 70 30 0 80 90 40 15 8.5N 40 70 130 \* 40 \* 20 40 80 7.5N \* 220 100 \* \* 160 100 60 6.5N 90 250 150 \* \* 100 150 5.5N \* 100 30 \* \* \* 120 280 130 4.5N

\*

0

10

150

\*

\*

\*

20

\*

\*

\*

3.5N

2.5N

1.5N

0.5N

200

270

170

45

20

160

300

110

95

70

20

180

69

30

20

40

40

30

20

30

30

30

30

276.5 277.5 278.5 279.5 280.5 281.5 282.5 283.5 284.5 285.5 286.5 287.5 20 20 20 20 0 95 380 250 30 0.55 20 75 30 20 20 20 \* \* \* 22 100 290 1.55 20 20 20 20 20 73 \* 210 2.55 20 120 20 20 20 20 3.55 \* 20 180 30 20 160 20 20 20 20 20 4.55 \* \* 40 200 130 33 20 20 20 20 10 73 82 20 5.55 \* \* 77 20 30 130 120 53 30 40 6.55 \* 0 30 40 40 31 \* 190 70 30 \* 130 7.55 5 29 50 40 52 8.55 \* \* 22C \* \* 90 340 60 80 60 \* \* 290 77 9.55 \* 39 280 50 50 \* \* 250 13C C.5S \* \* \* 150 360 150 90 140 1.55 \* \* \* \* \* 22 290 270 200 .220 \* \* \* \* \* \* 30 310 200 2.55 290 290 \* \* \* \* \* \* 150 330 \* 3.58 420 420 4.55 \* 90 270 \* \* \* \* \* \* \* \* \* \* \* 50 200 440 5.58 \* \* # \* \* 50 \* \* \* \* 6.55 \* \* \* \* 7.55 \* \* \* \* \* 李 \* \* 8.55 \* \* \* \* \* \* \* \* \* 9.55 \* \* \* \* \* \* \* \* \* 0.55 \* \* \* \* \* \* \* \* 1.55 \* \* \* \* \* 12.55 \* \* \* \* \* 13.5S \* \* \* \* \* \* \* 4.55 \* \* \* \* \* :5.58 \* \* 本 \* \* \* \* 16.55 \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* :7.55 \* \* \* \* \* \* \* \* \* 18.55 \* \* \* \* \* 19.5\$ \* \* \* \* \* \* \* 10.5S \* \* \* \* \* \* \* \* \* \* 11.55 \* \* \* \* \* \* \* \* \* 12.55 \* \* \* \* \* \* \* \* 3.5S \* \* \* \* \* \* \* 14.55 \* \* \* \* \* 35.5S \* \* \* \* \* \* 20 36.5S \* \* \* \* \* \* \* \* \* \* \* \* 20 20 17.55 \* \* 2 20 18.55 \* \* \* \* \* \* \* 20 39.5S \* \* \* \* \* 30 38 \* \* \* +0.5S \* \* \* \* 35 \* 23 \* \* \* \* \* +1.55 \* 20 40 +2.55 \* 太 \* \* \* 80 +3.55 \* \* ¥ C 0 80 +4.55

# TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE 276.5 277.5 278.5 279.5 280.5 281.5 282.5 283.5 284.5 285.5 286.5 287.5

45.55	*	*	*	*	*	*	*	*	*	*	20	100
46.5\$	*	*	*	*	*	*	*	*	*	20	100	90
47.55	*	*	*	*	*	*	*	*	5	5	80	130
48.55	*	*	*	*	*	*	*	*	0	6	100	60
49.55	*	*	*	*	*	*	*	*	0	20	110	50
50.58	*	*	*	*	*	*	*	<b>*</b>	*	*	0	23
51.58	*	*	*	*	*	*	*	*	*	*	*	0
52 <b>.</b> 5S	*	*	*	*	*	*	*	*	*	*	*	0
53.5\$	*	#	*	*	*	*	*	*	*	*	*	0
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5\$	*	*	*	*	*	*	*	*	*	*	*	*
56.5\$	*	*	*	*	*	*	*	*	*	*	*	*
57.58	*	*	*	*	*	*	*	*	*	*	*	*
58 <b>.5</b> \$	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	* -
62.58	*	*	*	*	*	*	*	*	*	*	*	*
63.55	*	*	*	*	*	*	*	*	*	*	*	*
64.55	*	*	*	*	*	*	*	*	*	*	*	*
65.5\$	*	*	*	*	*	*	*	*	*	*	*	*
66.58	*	*	*	*	*	*	*	*	*	*	*	*
67.55	*	*	*	*	*	*	*	*	*	*	*	*
68.5\$	*	*	*	*	*	*	*	*	*	*	*	*
69.55	*	*	*	*	*	*	*	*	*	*	*	*
70.55	*	*	*	*	*	*	*	*	*	*	*	*
71.55	*	*	*	*	*	*	*	*	*	*	*	*
72.55	*	*	*	*	*	*	*	*	*	*	*	*
73.58	64	66	62	57	53	48	44	40	36	32	28	24
74.58	115	116	115	114	114	113	112	121	130	140	149	158
75.55	112	118	120	121	123	124	126	138	151	163	176	188
76.55	118	120	122	125	127	130	132	142	152	162	172	182
77.5S	161	164	154	143	133	122	112	121	130	140	149	158
78.55	249	260	230	199	169	138	108	113	118	122	127	132
79.55	160	150	145	140	136	131	126	106	87	67	48	28
80.55	200	191	183	175	166	158	150	141	133	124	114	104
81.55	197	188	179	170	161	152	143	134	125	117	108	100
82.55	192	185	178	171	164	157	150	143	136	130	123	116
83.55	190	186	183	179	175	171	167	164	160	157	156	154
84.55	210	207	203	199	196	192	188	185	181	179	179	17 ó
85.5S	231	224	216	209	202	195	187	180	173	169	168	168
86.55	234	227	221	215	208	202	196	189	183	180	180	180
87.55	255	253	252	250	248	246	244	243	241	240	240	240
88.55	260	260	260	260	260	260	260	260	260	260	260	260
89.58	280	280	280	280	280	280	280	280	280	280	280	280

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
288.5 289.5 290.5 291.5 292.5 293.5 294.5 295.5 296.5 297.5 298.5 299.5

\* 89.5N \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 88.5N \* \* \* \* \* 87.5N \* 86.5N \* \* \* \* 85.5N \* \* \* \* \* \* \* \* 84.5N \* \* \* \* \* \* \* \* 83.5N \* 82.5N 81.5N 80.5N \* \* \* \* # \* \* 79.5N \* 78.5N \* \* 77.5N \* \* 76.5N \* \* \* \* \* \* \* 75.5N \* \* \* \* \* 74.5N \* \* \* \* \* \* \* 73.5N \* \* \* 72.5N \* \* \* \* \* \* \* 71.5N \* \* \* \* \* \* \* \* \* 70.5N \* \* \* 69.5N \* \* \* \* \* \* 68.5N \* \* 67.5N 66.5N \* \* \* \* \* 65.5N \* \* 64.5N 63.5N \* \* 62.5N \* \* \* \* \* \* \* \* 61.5N \* \* \* \* 60.5N \* \* \* \* 59.5N \* \* \* \* 58.5N 57.5N 56.5N 55.5N 54.5N 53.5N 52.5N 51.5N 50.5N \* \* \* \* 49.5N \* \* 48.5N \* \* 47.5N \* 46.5N 45.5N 

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE

288.5 289.5 290.5 291.5 292.5 293.5 294.5 295.5 296.5 297.5 298.5 299.5 40 20 10 5 \* \* 20 10 \* \* +4.5N

174 - DIN	40	20	10	,		•	20					
+3.5N	30	5	*	*	*	*	0	*	*	*	*	*
+2.5N	20	*	*	*	*	*	*	*	*	*	*	*
+1.5N	0	0	*	*	*	*	*	*	*	*	*	*
+0.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	* <b>*</b>	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
	*	*	*	*	*	*	*	*	*	*	. *	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N			*	*	*	*	*	*	*	*	*	*
31.5N	*	. <b>*</b>			*	*	*	*	*	*	*	*
30.5N	*	*	*	*			*	*	*	*	*	*
29.5N	*	*	*	*	*	*			*	*	*	· *
28.5N	*	*	*	*	*	*	*	*	-	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*			*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	-	
23.5N	*	*	*	*	, <b>*</b>	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	. *	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	80	0	*	*	*	*	*	*	*	*	*	*
18.5N	90	50	0	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	0	10	*	*	*	*	*	*	*	*	*
10.5N	6	40	60	30	30	40	*	*	. 30	0	10	*
9.5N	*	90	50	30	30	30	20	30	30	9	5	*
8.5N	170	170	20	20	20	20	20	20	20	10	5	0
7.5N	50	20	20	20	20	20	20	50	30	30	20	20
6.5N	30	20	20	20	20	50	60	40	40	50	35	30
5.5N	20	20	20	20	30	70	60	50	50	80	100	78
4.5N	20	20	20	20	40	40	70	60	50	50	85	75
3 • 5N	20	20	20	20	20	30	35	60	50	40	20	20
2.5N	20	20	20	20	20	20	30	40	50	32	19	20
1.5N	30	20	20	20	20	20	33	40	20	20	24	20
0.5N	20	20	20	20	20	20	30	20	20	20	10	20
G # 214	20		_ ~			~ ~						

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
288.5 289.5 290.5 291.5 292.5 293.5 294.5 295.5 296.5 297.5 298.5 299.5

	200.5	2070)	27000	27107	27247	L 73 • 3	27407	2,7,00,7	-,00	_,,		
0.58	20	20	20	20	20	20	20	20	20	20	20	20
1.55	20	20	20	20	20	20	20	20	20	10	20	20
2.55	20	20	20	20	20	10	10	10	10	10	10	10
3.55	20	20	20	20	20	10	10	10	10	10	10	10
4.55	20	20	20	20	20	20	20	20	20	10	10	10
5.58	20	20	20	20	20	20	20	20	20	20	20	20
6.58	20	20	20	20	20	20	20	20	20	20	20	20
7.55	20	20	20	20	20	20	20	20	20	20	20	20
8.55	30	20	20	20	20	20	20	20	20	20	20	20
9.55	40	30	20	20	20	20	20	20	20	20	20	20
10.55	50	50	41	35	29	35	20	20	20	20	20	20
11.55	80	50	40	40	30	20	20	20	20	20	20	20
12.55	200	65	30	40	40	20	20	20	20	20	20	20
13.55	420	160	80	60	20	20	20	20	20	20	20	20
14.55	440	440	410	270	30	30	20	20	20	20	20	30
15.55	460	370	320	370	90	90	37	20	20	20	30	30
16.55	290	400	420	490	370	290	91	60	30	30	30	30
17.55	0	260	490	410	450	480	340	250	100	40	30	40
18.55	*	*	360	520	360	470	290	190	110	30	30	40
19.55	*	*	290	420	350	450	260	140	90	30	30	20
20.55	*	*	180	470	340	410	270	150	100	40	20	20
21.55	*	*	140	430	420	400	220	180	. 90	30	20	20
22.55	*	*	140	350	560	380	300	160	70	20	20	20
23.55	*	*	160	250	430	340	270	90	20	20	20	20
24.55	*	0	170	490	360	370	140	80	27	20	20	20
25.5S	*	10	400	550	470	250	160	76	30	20	20	20
26.58	*	60	290	370	340	300	150	60	20	20	20	10
27.58	*	60	310	370	220	150	100	34	20	20	20	10
28.5S	180	155	310	180	190	95	80	33	20	20	20	10
29.55	*	260	240	160	150	40	40	30	34	20	20	10
30.55	20	330	210	85	90	70	40	70	28	20	20	10
31.55	*	330	250	83	77	70	80	90	30	20	10	12
32.55	0	230	250	70	52	70	80	80	30	20	10	14 8
33.5\$	20	190	290	80	50	70	75	40	20	20	10	8
34.55	30	300	220	87	75	50	47	20	20	10	10 10	10
35.55	35	300	160	170	50	30	30	20	20	20 20	20	20
36.55	200	330	200	160	50	30	20	20	20 20	50 50	40	30
37.55	130	180	160	70	40	30	20	20		-		
38.55	170	120	73	40	40	30	20	30	30	33	30	12 *
39.5S	170	75	50	50	50	30	20	20	20	0	*	*
40.55	100	72	90	100	70	30	10	7 *	9	0 *	*	*
41.5S	120	110	100	90	80	80	50	0	*	*	*	*
42.5S	100	67	70	100	70	38	30	*	*	*	*	*
43.55	83	88 80	70 90	50 50	30 30	20 20	10 5	*	*	*	*	*
44.55	120	80	70	50	30	20		-	•	•	,	·

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
288.5 289.5 290.5 291.5 292.5 293.5 294.5 295.5 296.5 297.5 298.5 299.5

+5.5S	85	65	80	30	30	*	*	*	*	*	*	*
+5.5S	71	50	50	40	C	*	*	*	*	*	*	*
+7.55	80	80	60	40	20	8	*	*	*	*	*	*
+8 • 5S	70	40	50	30	10	0	*	*	*	*	*	*
+9.55	40	30	20	23	*	*	*	*	*	*	*	*
50.5S	40	42	30	18	8	*	*	*	*	*	*	*
⇒1.5S	18	26	19	12	*	*	*	*	*	*	*	*
52.5S	7	18	15	11	4	*	*	*	*	*	*	*
53.5\$	0	17	12	8	4	*	*	*	*	. *	*	*
54.5S	*	*	0	11	25	26	14	*	*	*	*	*
55.58	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
50 <b>.</b> 5\$	*	*	*	*	*	*	*	*	*	*	*	*
51.58	*	*	*	*	*	*	*	*	*	*	*	*
52 • 5S	*	*	*	*	*	*	*	*	*	*	*	*
5 <b>3 • 5S</b>	*	*	*	*	*	*	*	*	*	*	*	*
54.58	*	*	*	*	*	*	*	*	*	*	0	6
5 <b>5.5S</b>	*	*	*	*.	*	*	*	*	4	15	15	*
56.5\$	*	#	*	*	*	*	2	12	16	11	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	0	1	2	*	*	*	**
59.5\$	30	45	45	*	45	66	109	135	145	131	94	54
70.55	*	0	7	10	26	36	45	55	64	74	58	43
71.58	0	0	8	15	22	35	48	60	73	86	91	96
72.5S	*	4	10	15	20	30	41	51	62	72	75	78
73.5S	32	40	48	56	64	77	90	104	117	130	104	79
74.55	158	153	158	158	158	157	156	156	155	154	123	92
75.5S	187	186	186	185	184	182	179	177	174	172	146	120
76.58	182	183	183	184	184	173	162	152	141	130	106	82
77.55	152	147	141	136	130	112	94	77	59	41	34	27
78.55	122	112	102	92	82	67	53	38	24	9	8	7
79.55	26	24	22	20	18	16	14	12	10	8	9	9
80.55	94	84	74	64	54	44	34	28	28	27	26	25
81.55	92	83	75	67	58	50	42	36	34	32	30	28
82.5\$	110	103	97	90	83	77	70	66	63	60	58	55
83.58	152	151	149	148	146	144	143	143	144	146	148	150
84.55	178	178	177	177	177	176	176	179	184	190	196	202
85.5\$	168	167	167	166	166	166	165	167	172	177	181	186
86.55	181	181	181	181	181	182	182	183	185	187	189	191
8 <b>7.5</b> \$	240	240	240	241	241	241	241	241	242	243	244	245
											240	210
88.5S 89.5S	260 280											

, , .

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
300.5 301.5 302.5 303.5 304.5 305.5 306.5 307.5 308.5 309.5 310.5 311.5

89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	64	61	58	56	53	49	42	*	*	· * *	*	*
81.5N	22	18	14	10	6	9	17	26	35	43	52	61
80.5N	37	35	33	32	30	33	42	51	60	69	77	86
79.5N	48	65	82	93	104	114	125	136	142	149	155	162
78.5N	101	106	112	123	134	144	155	166	172	177	183	188
77.5N	104	113	122	133	144	154	165	176	182	187	193	198
76.5N	101	106	112	124	135	147	158	170	178	187	195	204
75.5N	*	*	0	24	58	92	126	160	169	178	188	197
74.5N	*	*	*	*	*	0	0	30	64	98	132	166
73.5N	*	*	*	*	*	0	0	20	54	89	123	158
72.5N	*	*	*	*	*	0	0	6	38	70	102	134
71.5N	*	*	*	*	*	*	*	0	12	35	57	80
70.5N	*	*	*	#	*	*	*	0	0	24	48	73
69.5N	*	*	*	*	*	*	6	26	47	66	84	106
68.5N	*	*	*	*	*	*	*	*	2	26	59	94
67.5N	*	*	*	*	*	*	5	25	45	65	85	109
66.5N	*	*	*	*	*	*	4	27	52	75	95	120
65.5N	*	*	*	*	*	*	*	*	21	54	91	129
64.5N	*	*	*	*	*	*	*	*	15	54	91	129
63.5N	*	*	*	*	*	*	*	*	*	29	81	131
62.5N	*	*	*	*	*	*	*	*	*	*	7	81
61.5N	*	*	*	*	*	*	*	*	*	*	*	0 *
60.5N	*	*	*	*	*	*	*	*	*	*	*	*
59.5N	*	*	*	*	*	*	*	*	*	*	*	* *
58.5N	*	*	*	*	*	*	*	*	*	*	*	~ ≉
57.5N	本	*	*	*	*	*	*	*	*	*	*	*
56.5N	*	*	*	*	*	*	*	*	=	*		*
55.5N	10	*	*	*	*	*	*	*	*	*	-	*
54.5N	42	31	14	*	*	*	*	*	*	*	<b>.</b>	*
53.5N	24	20	20	15	5	*	*	*	*	*	*	*
52.5N	44	37	32	23	9	*	*	*	<b>.</b>	- T		*
51.5N	31	22	17	11	*	*	<b>*</b>	<b>*</b>	<b>∓</b>	•	*	*
50.5N	*	*	*	0	*	*	*	*	*	*	<b>+</b>	*
49.5N	*	*	30	30	0	0		*	*	*	*	**
48.5N	*	20	20	30	20	20	0		*	<b>~</b> •	*	*
47.5N	*	*	*	*	10	0	10	5 *	<b>平</b>	*	*	*
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45 • 5N	*	*	*	*	*	7	₩	•	~	•		-1-

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

300.5 301.5 302.5 303.5 304.5 305.5 306.5 307.5 306.5 309.5 310.5 311.5

44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	. *	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	* '	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	10	0	*	*	*	*	*	*	*	*	*	*
6.5N	10	8	С	*	*	*	*	*	*	*	*	*
5.5N	40	10	9	10	10	10	0	*	*	*	*	*
4.5N	41	20	20	20	20	10	10	10	*	*	*	*
3.5N	20	20	23	40	20	20	20	10	10	*	*	*
2.5N	20	20	20	30	30	40	20	20	20	*	*	*
1.5N	30	20	20	30	30	30	20	20	10	5	*	*
0.5N	20	20	20	19	30	20	20	20	10	0	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

300.5 301.5 302.5 303.5 304.5 305.5 306.5 307.5 308.5 309.5 310.5 311.5 0.5\$ 2 C 1.55 2.55 3.55 4.55 5.55 6.5\$ 7.55 8.55 9.55 10.55 11.55 12.55 13.55 14.55 15.55 16.55 17.55 18.55 19.55 20.55 21.58 22.55 23.55 24.55 25.55 26.55 27.55 28.55 \* 29.55 \* \* 30.5S \* \* 31.55 \* \* \* \* 32.55 \* \* \* \* 후 33.55 \* \* \* \* \* 34.5S \* \* \* 35.55 \* \* \* \* \* \* \* \* \* \* 36.55 \* \* \* \* \* \* \* 37.55 \* \* \* \* \* 38.5\$ \* \* \* \* \* \* \* \* \* \* 39.58 \* \* \* \* \* \* \* \* \* \* 40.55 \* ŧ. \* \* \* \* 41.55 \* \* \* \* \* \* \* \* \* \* \* \* \* 42.55 \* \* \* 43.55 \* \* \* \* \* \* \* \* 44.55

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
300.5 301.5 302.5 303.5 304.5 305.5 306.5 307.5 308.5 309.5 310.5 311.5

45.5\$	*	*	*	*	*	*	*	*	<b>*</b>	*	*	*
46.55	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.55	*	*	*	*	*	*	*	*		*	*	*
49.58	*	*	*	*	*	*	*	*	*		*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.58	*	0	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*		*	* *
53.55	*	*	*	*	*	*	*	*	*	*	*	*
54.58	*	*	*	*	*	*	*	*	*	•	*	*
55.5S	*	*	*	*	*	*	*	*	, <b>*</b>	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	•	*	*
57 <b>.</b> 5\$	*	*	*	*	*	*	*	*	*	*		
58.5\$	*	*	*	¥	*	*	*	*	*	*	*	*
59.55	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	
61.55	*	*	*	*	*	*	*	*	*	* .	*	*
62.55	*	*	*	*	*	*	*	*	*	*	*	*
63.5\$	*	*	*	*	*	*	*	*	*	*	*	*
64.55	12	10	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5\$	*	*	*	* .	*	*	*	* .	*	#	*	*
67 <b>.</b> 5\$	*	*	*	*	*	*	*	*	*	*	*	*
68.55	*	*	*	*	*	*	*	*	*	*	*	*
69.5\$	*	*	*	*	*	*	*	*	*	*	*	*
70.55	*	*	*	*	*	*	*	*	*		*	*
71.58	100	105	110	*	*	*	*	*	*	*	* .	*
72.58	82	85	88	*	*	*	*	*	<b>∓</b>	*	*	*
73.58	53	本	*	*	*	*	*	*	*		*	*
74.58	62	*	*	*	*	*	*	*	*	*	*	*
<b>75.5</b> \$	94	68	42	*	*	*	*	*	*	*	*	*
76.55	57	33	9	7	5	*	*	*	*	*	•	*
77.55	19	12	5	5	5	5	5	5	4	3 13	2 15	18
78.5\$	7	6	5	6	6	7	7	8	10			32
79.5S	10	19	11	12	14	15	17	18	22	25	29	
80.55	24	23	22	21	20	19	19	18	18	17	17	16 12
81.58	25	23	21	19	16	15	15	14	14	13	13	41
82.55	52	49	47	44	41	40	40	40	41	41	41	
83.55	151	153	155	156	158	158	157	156	155	154	153	152 246
84.55	207	213	219	224	230	234	236	238	240	242	244	
85.5S	191	195	200	205	210	213	214	216	218	220	221	223
86.58	193	196	198	200	202	204	207	210	212	215	218	220
87.55	246	247	248	249	250	251	252	253	254	255	255	256
88.58	260	260	260	260	260	260	260	260	260	260	260	260 270
89.5\$	280	280	280	280	280	280	280	280	280	280	2 <b>7</b> 9	279

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
312.5 313.5 314.5 315.5 316.5 317.5 318.5 319.5 320.5 321.5 322.5 323.5

89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	* .	. *	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	3	0	0	0	0	3	9	16	22	29	35	41
81.5N	69	78	87	91	92	93	94	95	96	97	98	99
80.5N	95	104	113	120	126	132	139	145	151	157	163	170
79.5N	168	175	182	190	197	204	206	208	210	212	214	208
78.5N	194	198	202	206	210	214	216	219	221	224	226	222
77.5N	204	208	212	216	220	224	226	229	231	234	236	232
76.5N	212	215	218	220	223	226	231	236	242	247	252	252
75.5N	206	212	219	225	232	238	245	252	258	265	272	273
74.5N	200	209	218	228	237	246	252	257	263	268	274	276
73.5N	192	203	214	226	237	248	256	263	271	278	286	289
72.5N	166	181	196	210	225	240	249	258	268	277	286	269
71.5N	102	130	157	185	212	240	249	258	268	277	286	290
70.5N	98	123	148	172	197	222	234	245	257	268	280	286
69.5N	132	159	186	206	219	230	240	254	271	286	299	302
68.5N	131	161	184	199	206	215	225	239	256	271	284	289
67.5N	136	164	191	214	231	241	244	245	245	252	267	279
66.5N	150	180	210	231	244	246	239	226	209	185	155	120
65.5N	166	200	230	247	252	244	221	180	120	67	22	*
64.5N	166	200	230	244	241	224	191	142	77	*	*	*
63.5N	177	212	237	246	239	211	164	105	35	*	*	*
62.5N	144	186	209	206	179	130	60	*	*	*	*	*
61.5N	51	109	153	161	134	86	*	*	*	*	*	*
60.5N	*	*	11	36	39	*	*	*	*	*	*	*
59.5N	*	*	*	*	*	*	*	*	*	*	*	*
58.5N	*	*	*	*	*	*	*	*	*	*	*	*
57.5N	*	*	*	*	*	*	*	*	*	*	*	*
56.5N	*	*	*	*	*	*	*	*	*	*	*	*
55.5N	*	*	*	*	*	*	*	*	*	*	*	*
54.5N	*	*	*	*	*	*	*	*	<b>.</b>	*	*	*
53.5N	*	*	*	*	*	*	*	*	<b>*</b>	*	*	*
52.5N	*	*	*	*	*	*	*	*	*	-	*	
51.5N	*	*	*	*	*	*	*	*	*	*	*	* *
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	*	*	*	*	*	*	# 	*	*	*	*	*
48.5N	*	*	*	*	*	*	*	*	*	*	*	*
47.5N	*	*	*	*	*	平 *	*	*	*	*	*	*
46.5N	•	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	#	*	*	*	*	*	~	-	7-

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
312.5 313.5 314.5 315.5 316.5 317.5 318.5 319.5 320.5 321.5 322.5 323.5

									_	.4	4	
44 - 5N	*	*	*	*	*	*	*	*	*	*	*	. <b>*</b>
43.5N	*	*	*	*	*	*	*	*	*	*		*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	<b>*</b>	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	* .	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	-	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	# #
35.5N	*	*	*	*	*	*	*	*	*	*		
34.5N	*	*	*	*	*	**	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	* .	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	xx.	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	**
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*
0 <b>-</b> 2 1 7 1 7	•											

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE

312.5 313.5 314.5 315.5 316.5 317.5 318.5 319.5 320.5 321.5 322.5 323.5

	21407	31303	31.103	2220	310.7	3110.	J10.J	31703	32007	J_1	32243	36363
0.5\$	0	*	*	*	*	*	*	*	*	*	*	*
1.58	7	7	0	*	*	*	*	*	*	*	*	**
2.5S	9	<b>c</b> )	8	0	1	*	*	*	*	*	*	*
3.55	20	20	20	9	9	5	20	20	8	*	*	*
4.5\$	20	20	20	10	10	10	20	30	30	2C	*	*
5.5S	20	20	20	20	20	20	30	50	30	10	22	20
6.58	20	40	20	20	20	20	40	40	30	4 C	30	37
7.53	20	50	30	20	20	20	30	50	50	50	40	50
8.5\$	33	50	30	20	26	30	50	50	50	40	50	50
9.58	35	50	40	41	40	40	40	40	50	29	30	30
10.5S	40	50	75	40	40	40	40	50	40	40	30	*
11.58	44	50	80	40	40	71	75	50	30	20	0	*
12.58	40	50	80	40	50	70	80	40	20	20	*	. *
13.55	70	75	70	40	40	76	76	40	30	*	*	*
14.55	110	78	50	40	40	80	50	50	24	*	*	*
15.58	110	80	50	40	50	80	70	40	20	*	*	*
16.55	80	68	50	45	90	70	50	40	30	*	*	*
17.55	78	70	50	60	100	74	50	40	20	*	*	*
18.55	70	80	50	50	100	50	40	40	0	*	*	*
19.5\$	70	90	60	70	90	50	40	20	*	*	*	*
20.58	50	80	77	90	100	78	70	20	*	*	*	*
21.58	60	90	80	80	100	50	10	*	*	<b>*</b>	*	*
22.55	50	90	120	120	65	40	0	*	*	*	*	*
23.58	75	80	52	*	*	*	*	*	*	*	*	*
24.55	20	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*		*	*
26.55	*	*	. *	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	<b>*</b> .	*	*	*	<b>#</b>
28.55	*	*	*	*	*	*	*	*	*	*	*	*
29.58	*	*	*	*	*	*	*	*	*	*	*	*
30.55	*	*	*	#	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	×
34.55	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.58	*	*	*	*	*	*	*	*	*	*	*	<b>z</b> ţ¢
37.55	*	*	*	*	*	*	*	*	*	*	*	*
38.55	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.55	*	*	*	*	*	*	*	*	*	*	*	*
42.55	*	*	*	*	*	*	*	*	*	*	*	*
43.55	*	*	*	*	*	*	*	*	*	*	*	*
44.55	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

312.5 313.5 314.5 315.5 316.5 317.5 318.5 319.5 320.5 321.5 322.5 323.5

\* \* \* \* 45.55 \* \* \* \* \* \* \* \* \* \* \* 46.5S \* \* \* 47.55 \* \* \* 48.55 \* \* \* \* 49.5S \* \* \* \* \* \* 50.55 \* \* \* \* \* \* 51.58 \* \* \* × \* \* \* \* \* \* \* \* \* 52.5S \* \* \* \* \* \* \* \* \* \* 53.55 \* \* \* \* \* \* \* \* \* 54.55 \* \* \* \* \* 55.55 \* \* \* \* \* \* \* \* \* \* \* \* \* \* 56.55 \* \* \* \* \* \* \* \* 57.58 \* \* \* \* \* \* \* 58.55 \* \* \* \* \* \* \* \* \* \* 59.55 \* \* \* \* \* \* \* \* \* \* \* \* **60.5**S \* \* \* \* \* \* \* 61.58 \* \* \* 本 \* \* \* \* 62.55 \* \* \* \* \* \* \* 63.58 \* \* \* \* \* \* \* 64.55 \* \* \* \* \* \* 65.58 \* \* \* \* \* \* \* 66.55 \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* 67.55 \* \* \* \* \* \* 68.5S \* ¥ \* \* \* \* \* \* \* \* 69.5S \* \* \* \* 70.55 \* \* \* \* \* \* \* 71.55 \* \* \* \* \* \* \* \* 72.55 \* \* \* \* \* \* \* \* 73.55 \* \* \* \* \* \* \* \* \* \* 74.55 \* \* \* \* \* \* \* 75.55 \* \* \* \* \* \* \* 76.55 \* \* \* \* \* \* \* \* 77.5S \* \* \* \* \* \* \* \* \* \* \* 78.5S 20 19 19 10 8 10 15 13 11 18 18 17 9 79.55 10 36 39 42 44 47 50 42 34 26 18 19 19 80.5S 16 15 15 15 15 16 17 18 18 16 19 22 81.55 12 12 21 12 11 13 17 18 14 15 63 82.55 41 42 42 43 46 48 51 53 56 58 61 149 83.55 151 150 149 148 147 147 146 146 145 144 144 200 84.55 248 250 252 250 219 213 206 244 237 231 225 85.58 225 226 228 228 227 223 222 221 220 226 225 224 86.5S 223 229 229 229 229 226 229 230 230 230 230 230 250 87.55 257 258 259 258 257 256 255 254 253 252 251 88.55 260 260 260 260 260 260 260 260 260 260 260 260 89.55 279 279 279 274 273 272 271 279 278 277 276 275

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

324.5 325.5 326.5 327.5 328.5 329.5 330.5 331.5 332.5 333.5 334.5 335.5

	22403	26343	320.5	22103	32007	32307	33043	33243	33243			
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	. *	*	* "	*	*	*	*	*	*	*	*
83.5N	*	*	*	0	0	0	0	0	0	7	13	15
82.5N	48	51	52	53	53	54	55	55	56	57	58	56
81.5N	99	100	100	100	100	100	99	99	99	99	99	98
80.5N	176	178	176	174	172	170	168	166	164	162	160	154
79.5N	203	197	192	186	181	176	172	167	162	153	144	134
78.5N	217	213	208	204	198	193	187	182	176	171	166	160
77.5N	228	224	220	216	212	207	203	198	194	186	179	171
76.5N	253	253	254	254	247	240	234	227	220	208	196	184
75.5N	274	274	275	276	271	266	262	257	252	241	230	218
74.5N	278	280	282	284	277	270	264	257	250	237	224	212
73.5N	292	296	299	302	291	280	270	259	248	225	202	179
72 • 5N	292	296	299	302	291	280	270	259	248	226	204	182
71.5N	293	297	300	304	292	279	267	254	242	209	176	142
70.5N	292	298	304	310	295	280	264	249	234	201	167	134
69.5N	297	289	276	267	262	261	264	261	254	231	194	142
68.5N	286	279	266	250	230	200	160	115	65	*	*	*
67.5N	286	268	224	164	86	*	*	*	*	*	*	*
66.5N	80	44	*	*	*	*	*	*	*	*	*	*
65.5N	*	*	*	*	*	*	*	*	*	*	*	*
64.5N	*	*	*	*	*	*	*	*	*	*	*	*
63.5N	*	*	*	*	*	*	*	*	*	<b>.</b>	*	*
62.5N	*	*	*	*	*	*	*	*	*	*	*	*
61.5N 60.5N	*	*	*	*	*	*	*	*	*	*	*	*
59.5N	• *	*	*		*	*	*	*	*	*	*	*
58.5N	*	*	*	*	*	*	*	*	*	*	*	*
57.5N	*	*	*	*	*	*	*	*	*	*	*	*
56.5N	*	*	*	*	*	*	*	*	*	* .	*	*
55.5N	*	*	*	*	*	*	*	*	*	*	*	*
54.5N	*	*	*	*	*	*	*	*	*	*	*	*
53.5N	*	*	*	*	*	*	*	*	*	*	*	*
52.5N	*	*	*	*	*	*	*	*	*	*	*	*
51.5N	*	*	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	*	*	*	*	*	*	*	*	*	*	*	*
48.5N	*	*	*	*	*	*	*	*	*	*	*	*
47.5N	*	*	*	*	*	*	*	*	*	*	*	*
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	*	*	*	*	*	*	*	*	*

j 😙 .

# TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS DEGREES EAST LONGITUDE 324.5 325.5 326.5 327.5 328.5 329.5 330.5 331.5 332.5 333.5 334.5 335.5

44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	亦	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	<b>*</b>	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	хx	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	. *	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	<i>∓</i>	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	~ *	*	. *	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	, <b>*</b>	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*		*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	**
2.5N	*	*	*		*	*	*	*	*	*	*	*
1.5N				*	*	*	*	*	*	*	*	. <i>T</i>
0.5N	*	*	*	*	<b></b>	<b>*</b>	*	*	*	•	•	~

324.5 325.5 326.5 327.5 328.5 329.5 330.5 331.5 332.5 333.5 334.5 335.5

0.5\$	*	*	*	*	*	*	*	*	*	*	*	*
1.58	*	*	*	*	*	*	*	*	*	*	*	*
2.58	*	*	<b>#</b>	#	*	*	*	*	*	*	*	*
3.55	*	*	*	*	*	*	*	*	*	*	*	#
4.58	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	5	*	*	*	*	*	*	*	*	*	*	*
6.5S	20	*	*	*	*	*	*	*	*	*	*	*
7.5S	20	*	*	*	*	*	*	*	*	*	*	*
	20	*	*	*	*	*	*	*	*	*	*	*
8.58		*	*	*	*	*	*	*	*	*	*	*
9.55	*					*	*	*	*	*	*	*
10.55	*	*	*	*	*				*	*	*	*
11.55	*	*	*	*	*	*	*	*	*	*	*	*
12.55	*	*	*	*	*	*	*	*		*	*	*
13.55	*	*	*	*	*	*	*	*	*		·	
14.55	*	*	*	*	*	*	*	*	*	*	*	*
15.58	*	*	*	*	*	*	*	*	*	*	*	*
16.55	*	*	*	*	*	*	*	*	*	*	*	*
17.55	*	*	*	*	*	*	*	*	*	*	*	*
18.55	*	*	*	*	*	*	*	*	*	*	*	*
19.55	*	* .	*	*	*	*	*	*	*	*	*	*
20.58	*	*	*	*	*	*	*	*	*	*	*	*
21.5\$	*	*	*	*	*	*	*	* .	*	*	*	*
22.58	*	*	*	*	*	*	*	*	*	*	*	*
23.55	*	*	*	*	*	*	*	*	*	*	*	*
24.55	*	*	*	*	*	*	*	*	*	*	*	*
25.55	*	*	*	*	*	*	*	*	*	*	*	*
26.55	*	*	*	*	*	*	*	*	*	*	*	*
27.55	*	*	*	*	*	*	*	*	*	*	*	*
28.55	*	*	*	*	*	*	*	*	*	*	*	*
29.55	*	*	*	*	*	*	*	*	*	*	*	*
30.55	*	*	*	*	*	*	*	*	*	*	*	*
31.55	*	*	*	*	*	*	*	*	*	*	*	*
32.55	*	*	*	*	*	*	*	*	*	*	*	*
33.58	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
	*	*		*	*	*	*	*	*	*	*	*
37.5S			*			•	-			*	*	*
38.55	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	•	•	=	•	*
40.55	*	*	*	*	*	*	*	*	*	*	*	
41.55	*	*	*	*	*	*	*	*	*	*	*	*
42.55	*	*	*	*	*	*	*	*	*	*	*	*
43.55	*	*	*	*	*	*	*	*	*	*	*	*
44.55	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

324.5 325.5 326.5 327.5 328.5 329.5 330.5 331.5 332.5 333.5 334.5 335.5

45.5S	*	*	*	*	*	*	*	*	*	* *	*	*
46.55	*	*	*	*	*	*	*	*	*	*	*	*
47.58	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.58	*	*	*	*	*	*	*	*	*	*	*	*
50 <b>.</b> 5S	*	*	*	*	*	*	*	*	*	*	*	*
51.55	*	*	*	*	*	*	*	*	*	*	*	*
52.5\$	*	*	*	*	*	*	*	*	*	*	*	*
53.58	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.58	*	*	*	*	*	*	*	*	*	*	*	*
56 <b>.</b> 5S	*	*	*	*	*	*	*	*	*	*	*	*
57 <b>.</b> 5S	*	*	*	*	*	*	*	*	*	*	*	*
58 <b>.</b> 5S	*	*	*	*	*	*	*	*	*	*	*	*
59.58	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.58	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	<b>*</b> *
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*.	*	*	*	*	*	*	*	*
56•5\$ 5 <b>7•5\$</b>	*	*	*	*	*	*	*	*	•	*	*	*
58 <b>•5</b> \$	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.58	*	*	*	*	*	*	*	*	*	*	*	*
71.55	*	*	*	*	*	*	*	*	*	*	*	*
72.5S	*	*	*	*	*	*	*	*	*	*	*	*
73.55	*	*	*	*	*	*	*	*	*	*	*	*
74.55	*	*	*	*	*	*	*	*	*	*	*	*
75.5S	*	*	*	*	*	*	*	*	*	*	*	*
76.55	*	*	*	*	*	*	*	*	0	0	2	22
77.55	*	*	*	*	0	O	2	20	38	55	72	88
78.5S	12	14	16	18	28	37	47	56	66	80	94	108
79.5S	9	9	9	8	12	16	20	24	28	45	62	78
30.5S	20	20	22	23	24	25	26	27	28	29	30	36
81.5S	23	26	31	36	40	45	50	54	59	64	69	76
82.58	66	70	77	84	90	97	104	110	117	124	131	136
33.5S	143	144	147	150	153	156	158	161	164	167	170	172
84.55	194	191	192	193	194	195	196	197	198	199	199	200
85.5\$	219	219	218	217	216	215	214	213	212	211	210	210
86.55	229	229	228	227	226	225	224	223	222	221	220	220
87.55	249	249	248	247	246	245	244	243	242	241	240	240
88.5\$	260	260	260	260	260	260	260	260	260	260	260	260
89.55	270	270	270	270	270	270	270	270	270	270	270	270

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

336.5 337.5 338.5 339.5 340.5 341.5 342.5 343.5 344.5 345.5 346.5 347.5

39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	52	49	45	41	38	34	*	*	*	*	*	*
31.5N	97	95	94	93	91	90	88	87	86	81	73	65
80.5N	143	132	122	111	101	90	79	69	58	49	40	32
79.5N	125	116	102	88	74	60	46	34	*	*	*	*
78.5N	155	150	137	124	112	99	86	66	*	*	*	*
77.5N	164	156	140	124	108	92	76	56	*	*	*	- *
76.5N	172	160	140	120	100	80	60	43	*	*	*	*
75.5N	207	196	172	147	123	98	74	*	*	*	*	*
74.5N	199	186	162	138	114	90	66	*	*	*	*	*
73.5N	156	133	109	85	60	*	*	*	*	*	*	*
72.5N	160	138	116	94	72	50	*	*	*	*	*	*
71.5N	109	76	60	44	*	*	*	*	*	*	*	*
70.5N	100	67	*	*	*	*	*	*	*	*	*	*
59.5N	77	*	*	*	*	*	*	*	*	*	*	*
58.5N	*	*	*	*	*	*	*	*	*	*	*	*
57.5N	*	*	*	*	*	*	*	*	*	*	*	*
56.5N	*	*	*	*	*	*	*	*	*	*	*	*
65.5N	*	5	15	25	35	42	47	49	46	34	11	*
54.5N	*	*	2	24	41	56	69	70	60	41	14	*
63.5N	*	*	*	*	*	*	*	*	*	*	*	*
52.5N	*	*	*	*	*	*	*	*	*	*	*	*
51.5N	*	*	*	*	*	*	*	*	*	*	*	*
60.5N	*	*	*	*	*	*	*	*	*	*		*
59.5N	*	*	*	*	*	*	*	*	*	*	*	*
58.5N	*	*	*	*	*	*	*	*	*	*	*	*
57.5N	*	*	*	*	*	*	*	*	*	*	*	*
56.5N	*	*	*	*	*	*	*	*	*	*	*	*
55.5N	*	*	*	*	*	*	*	*	=	•	*	
54.5N	*	*	*	*	*	*	*	*	*	*	*	*
53.5N	*	*	*	*	*	*	*	*	*	*	*	*
52 • 5N		-		*	•	•	•		•	*	*	*
51.5N	*	*	*	<b>∓</b>	*	*	*	*	*	*	*	*
50.5N 49.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N 48.5N	*	*	*	*	*	*	*	*	*	*	*	*
48.5N 47.5N	*	*	*		*	*		*	*	*	*	*
47.5N 46.5N	*	*		*		*	*	*	*	*	* *	*
	*	-	*	*	*	•		*	*	*	*	*
45.5N	₹.	*	*	*	* -	*	*	<b>*</b>	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

336.5 337.5 338.5 339.5 340.5 341.5 342.5 343.5 344.5 345.5 346.5 347.5

44.5N \* \* \* # \* \* \* 43.5N \* \* \* \* \* \* \* 42.5N \* \* \* 41.5N \* \* 40.5N \* \* \* 39.5N \* \* \* 38.5N \* \* 37.5N \* \* \* \* \* \* \* 36.5N 35.5N \* \* \* \* \* 34.5N \* \* \* \* \* \* 33.5N \* \* \* 32.5N \* \* \* \* \* \* \* \* 31.5N \* \* 30.5N \* \* 29.5N \* \* \* \* \* \* \* \* \* \* 28.5N 20 \* \* \* \* 27.5N \* \* \* 5 26.5N \* \* \* 10 \* O \* \* 10 20 \* \* \* 25.5N \* \* \* 24.5N \* \* \* \* \* 10 20 30 10 \* \* \* \* 20 20 30 23.5N 30 \* \* \* 30 30 22.5N \* 20 \* 30 40 21.5N \* \* 10 20 30 40 20.5N \* \* \* 0 20 20 30 19.5N \* \* \* \* 10 20 30 30 18.5N \* \* \* \* \* 5 10 20 20 \* \* \* 20 20 17.5N 6 10 \* \* \* 10 20 16.5N \* \* 6 10 \* 0 20 15.5N \* \* \* 8 10 10 \* 10 20 14.5N \* \* \* 5 8 10 13.5N 0 5 20 20 \* \* \* \* 10 35 12.5N \* 0 20 18 \* 8 11.5N \* \* 0 10 30 80 50 10.5N \* \* \* \* \* 5 20 \* 20 9.5N \* \* \* \* \* 5 8.5N \* \* \* \* \* \* 20 \* \* \* 7.5N \* \* \* 6.5N \* \* 5.5N \* \* \* \* \* \* \* \* \* \* \* \* 4.5N \* \* 3.5N \* \* \* \* 2.5N 1.5N \* 0.5N

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE
336.5 337.5 338.5 339.5 340.5 341.5 342.5 343.5 344.5 345.5 346.5 347.5

0.55 \* \* \* \* \* \* \* \* \* 1.58 \* \* \* \* \* \* \* 2.55 \* \* \* \* 3.55 \* \* 4.55 \* \* \* 5.55 \* \* \* 6.55 \* \* \* \* \* \* 7.55 \* \* \* \* 8.55 \* \* \* \* \* \* \* \* \* \* \* ¥ \* 9.55 \* \* \* \* 10.55 \* \* \* \* \* \* \* \* \* \* 11.55 \* \* \* \* \* 12.55 \* \* \* \* \* \* 13.55 \* \* \* \* 14.55 \* \* \* \* \* \* \* \* 15.55 \* \* \* \* \* \* 16.55 \* \* \* \* \* \* \* \* 17.55 \* \* \* \* \* \* 18.55 \* \* 19.5S \* \* \* \* \* \* \* \* \* \* \* \* \* \* 20.55 \* \* 21.55 \* \* \* \* \* \* 22.55 \* \* \* \* \* \* \* 23.55 \* \* 24.55 \* \* \* \* \* \* \* \* 25.58 \* \* \* \* 26.5S \* \* \* \* \* \* 27.55 \* \* \* \* \* 28.55 \* \* \* \* \* 29.55 \* \* \* \* \* 30.55 \* \* \* \* \* \* \* 31.55 \* \* \* \* 32.55 \* \* \* \* \* \* 33.5S \* \* \* 34.55 \* 35.5\$ \* \* \* \* \* \* 36.55 \* \* 37.5S \* \* 38.55 \* \* \* \* 39.55 \* 40.55 \* \* 41.55 \* \* 42.55 43.55 44.55 \*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE
336.5 337.5 338.5 339.5 340.5 341.5 342.5 343.5 344.5 345.5 346.5 347.5

45.55\$		55045	23.63	33043	33,47	3.003	5 . 2 . 5	•					
46.55	45.55	*	*	*	*	*	*	*	*	*	*	*	*
47.55					*			*	*	*	*	*	*
48.5S		*			*	*	*	*	*	*	*	*	*
\$\frac{49.5S}{8}\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		*	*	*	*	*	*	*	*	*	*	*	*
50.55         * <td></td> <td>*</td> <td></td> <td>*</td>		*		*	*	*	*	*	*	*	*	*	*
\$1.5\$		*	*	*	*	*	*	*	*	*	*	*	*
\$2.55		*	*	*	*	*	*	*	*	*	*	*	*
\$3.55		*	*	*	*	*	*	*	*	*	*	*	*
54.55         * <td></td> <td>**</td> <td>*</td>		**	*	*	*	*	*	*	*	*	*	*	*
55.55         * <td></td> <td>*</td>		*	*	*	*	*	*	*	*	*	*	*	*
56.55         * <td></td> <td>*</td>		*	*	*	*	*	*	*	*	*	*	*	*
57.55         * <td></td> <td>*</td> <td>*</td> <td>*</td> <td>*</td> <td>*</td> <td>**</td> <td>*</td> <td>*</td> <td>*</td> <td>*</td> <td>*</td> <td>*</td>		*	*	*	*	*	**	*	*	*	*	*	*
58.55         * <td></td> <td>*</td> <td></td> <td>. *</td>		*	*	*	*	*	*	*	*	*	*		. *
60.555	58.55	*	*	*	*	*	*	*	*	*	*		
61.555	59.5S	*	*	*	*	*	*	*	*	*	*		
62.55	60.5S	*	*	*	*	*	*	*	*	*		=	
63.55	61.58	*	*	*	*	*	*	*	*	*		•	
64.55	62.55	*	*	*	*	*	*	*		-		•	
65.55		*	*	*	*	*	*					•	
66.5S		*	*										
67.55									•				
68.5S												•	
69.5S	ľ						•	· ·			•	•	
7C.5S         * <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td>							•				-		
71.5S							•			-		•	
72.55         * <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>•</th> <th></th> <th></th> <th></th> <th></th> <th>•</th> <th></th>							•					•	
73.55         *         *         *         *         *         *         *         0         0         0         24         04           74.55         *         *         *         *         *         *         *         0         0         0         26         53         79         106         132           75.55         0         0         13         34         56         77         98         115         132         148         165         182           76.55         42         62         75         88         100         113         126         141         156         172         187         202           77.55         105         122         133         144         156         167         178         186         195         203         212         220           78.55         122         136         143         150         158         165         172         183         194         206         217         228           79.55         95         112         124         136         148         160         172         183         194         206         217         2		•					•						
74.55         *         *         *         *         *         0         0         0         26         53         79         106         132           75.55         0         0         13         34         56         77         98         115         132         148         165         182           76.55         42         62         75         88         100         113         126         141         156         172         187         202           77.55         105         122         133         144         156         167         178         186         195         203         212         220           78.55         122         136         143         150         158         165         172         183         194         206         217         228           79.55         95         112         124         136         148         160         172         183         194         206         217         228           80.55         47         58         69         80         91         102         113         124         135         146         156         167													
75.5S         0         0         13         34         56         77         98         115         132         148         165         182           76.5S         42         62         75         88         100         113         126         141         156         172         187         202           77.5S         105         122         133         144         156         167         178         186         195         203         212         220           78.5S         122         136         143         150         158         165         172         183         194         206         217         228           79.5S         95         112         124         136         148         160         172         183         194         206         217         228           80.5S         95         112         124         136         148         160         172         183         194         206         217         228           80.5S         47         58         69         80         91         102         113         124         135         146         156         167 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>													
76.5S       42       62       75       88       100       113       126       141       156       172       187       202         77.5S       105       122       133       144       156       167       178       186       195       203       212       220         78.5S       122       136       143       150       158       165       172       183       194       206       217       228         79.5S       95       112       124       136       148       160       172       183       194       206       217       228         80.5S       95       112       124       136       148       160       172       183       194       206       217       228         80.5S       95       112       124       136       148       160       172       183       194       206       217       228         80.5S       95       112       124       136       148       160       172       183       194       206       217       228         81.5S       87       97       108       119       129       140       150													
77.5S       105       122       133       144       156       167       178       186       195       203       212       220         78.5S       122       136       143       150       158       165       172       183       194       206       217       228         79.5S       95       112       124       136       148       160       172       183       194       206       217       228         80.5S       47       58       69       80       91       102       113       124       135       146       156       167         81.5S       87       97       108       119       129       140       150       161       172       180       187       193         82.5S       140       145       149       153       158       162       166       170       175       180       187       193         83.5S       173       175       176       178       179       181       182       184       185       189       194       200         84.5S       201       201       202       202       203       203       203													
78.5S       122       136       143       150       158       165       172       183       194       206       217       228         79.5S       95       112       124       136       148       160       172       183       194       206       217       228         80.5S       95       112       124       136       148       160       172       183       194       206       217       228         80.5S       95       112       124       136       148       160       172       183       194       206       217       228         80.5S       47       58       69       80       91       102       113       124       135       146       156       167         81.5S       87       97       108       119       129       140       150       161       172       180       187       193         82.5S       140       145       149       153       158       162       166       170       175       180       187       193         83.5S       173       175       176       178       179       181       182													
79.5S       95       112       124       136       148       160       172       183       194       206       217       228         80.5S       47       58       69       80       91       102       113       124       135       146       156       167         81.5S       87       97       108       119       129       140       150       161       172       180       187       193         82.5S       140       145       149       153       158       162       166       170       175       180       187       193         83.5S       173       175       176       178       179       181       182       184       185       189       194       200         84.5S       201       201       202       202       203       203       203       204       206       210       213         85.5S       210       211       211       212       212       212       212       213       214       217       220         86.5S       220       221       221       222       222       222       222       223       224													
80.5S       47       58       69       80       91       102       113       124       135       146       156       167         81.5S       87       97       108       119       129       140       150       161       172       180       187       193         82.5S       140       145       149       153       158       162       166       170       175       180       187       193         83.5S       173       175       176       178       179       181       182       184       185       189       194       200         84.5S       201       201       201       202       202       203       203       203       204       206       210       213         85.5S       210       211       211       211       212       212       212       212       213       214       217       220         86.5S       220       221       221       222       222       222       222       223       224       227       230         87.5S       240       240       241       241       241       241       241       242													
81.5S       87       97       108       119       129       140       150       161       172       180       187       193         82.5S       140       145       149       153       158       162       166       170       175       180       187       193         83.5S       173       175       176       178       179       181       182       184       185       189       194       200         84.5S       201       201       202       202       203       203       203       204       206       210       213         85.5S       210       211       211       212       212       212       212       213       214       217       220         86.5S       220       221       221       222       222       222       222       223       224       227       230         87.5S       240       240       241       241       241       241       241       242       242       243       245       246         88.5S       260       260       260       260       260       260       260       260       260       260 <td></td>													
82.55     140     145     149     153     158     162     166     170     175     180     187     193       83.55     173     175     176     178     179     181     182     184     185     189     194     200       84.55     201     201     201     202     202     203     203     203     204     206     210     213       85.55     210     211     211     211     212     212     212     212     213     214     217     220       86.55     220     221     221     221     222     222     222     222     223     224     227     230       87.55     240     240     241     241     241     241     241     242     242     243     245     246       88.55     260     260     260     260     260     260     260     260     260     260     260     260     260     260     260     260     260     260													
83.55     173     175     176     178     179     181     182     184     185     189     194     200       84.55     201     201     202     202     203     203     203     204     206     210     213       85.55     210     211     211     211     212     212     212     212     213     214     217     220       86.55     220     221     221     221     222     222     222     222     223     224     227     230       87.55     240     240     241     241     241     241     241     242     242     243     245     246       88.55     260     260     260     260     260     260     260     260     260     260     260     260     260     260     260     260     260     260     260													193
84.55     201     201     201     202     202     203     203     203     204     206     210     213       85.55     210     211     211     212     212     212     212     213     214     217     220       86.55     220     221     221     221     222     222     222     222     223     224     227     230       87.55     240     240     241     241     241     241     241     242     242     243     245     246       88.55     260     260     260     260     260     260     260     260     260     260     260     260     260     260     260													200
85.5S     210     211     211     211     212     212     212     212     213     214     217     220       86.5S     220     221     221     221     222     222     222     222     223     224     227     230       87.5S     240     240     241     241     241     241     241     242     242     243     245     246       88.5S     260     260     260     260     260     260     260     260     260     260     260     260     260													
86.55     220     221     221     221     222     222     222     222     223     224     227     230       87.55     240     240     241     241     241     241     241     242     242     243     245     246       88.55     260     260     260     260     260     260     260     260     260     260     260													220
87.55 240 240 241 241 241 241 241 242 242 243 245 246 88.55 260 260 260 260 260 260 260 260 260 260												227	230
88.55 260 260 260 260 260 260 260 260 260 260													
										260	260		
									270	270	270	270	270

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS
DEGREES EAST LONGITUDE

348.5 349.5 350.5 351.5 352.5 353.5 354.5 355.5 356.5 357.5 358.5 359.5

89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	57	49	42	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	. *	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	肃	*	*	*	*	*	*	*	*	*
69.5N	*	*	*	*	*	*	*	*	*	*	*	*
68.5N	*	*	*	*	*	*	*	*	*	*	*	*
67.5N	*	*	*	*	*	*	*	*	*	*	*	*
66.5N	*	*	*	*	*	*	*	*	*	*	*	*
65.5N	*	*	*	*	*	*	*	*	*	*	*	*
64.5N	*	*	*	*	*	*	*	*	*	*	*	*
63.5N	*	*	*	*	*	*	*	*	*	*	*	*
62.5N	*	*	*	*	*	*	*	*	*	*	*	*
61.5N	*	*	*	*	*	*	*	*	*	*	*	*
60.5N	*	*	*	*	*	*	*	*	*	*	*	*
59.5N	*	*	*	*	*	*	*	*	*	*	*	*
58.5N	*	*	*	*	*	*	*	1	4	2	*	*
57.5N	*	*	*	*	*	*	0	17	26	25	*	*
56.5N	*	*	*	*	*	*	0	17	26	25	*	*
55.5N	*	*	*	*	*	*	0	8	19	22	17	*
54.5N	*	*	*	0	0	13	9	*	11	14	16	11
53.5N	*	*	*	2	11	13	9	*	7	11	17	14
52.5N	*	*	0	7	16	17	11	*	15	21	27	24
51.5N	*	*	*	*	*	*	*	4	10	15	18	19
50.5N	*	*	*	*	*	*	*	3	8	12	13	14
49.5N	*	*	*	*	*	*	*	*	*	*	0	0
48.5N	*	*	*	*	*	*	*	5	10	5	10	20
47.5N	*	*	*	*	*	*	*	*	0	5	10	20
46.5N	*	*	*	*	*	*	*	*	*	*	0	10
45.5N	*	*	*	*	*	*	*	*	*	*	0	10

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

348.5 349.5 350.5 351.5 352.5 353.5 354.5 355.5 356.5 357.5 358.5 359.5

											_	
44.5N	*	*	*	*	*	*	*	*	*	*	0	10
43.5N	*	*	*	*	10	10	5	*	*	*	15	20
42.5N	*	*	*	20	40	100	70	70	80	50	30	110
41.5N	*	*	*	10	40	70	50	60	80	85	50	50
40.5N	*	*	*	10	50	65	80	90	70	80	90	90
39.5N	*	*	*	20	30	35	40	70	60	70	70	20
38.5N	<b>*</b>	*	*	10	22	50	50	60	60	110	60 0	20 *
37.5N	*	*	*	10	20	20	35	70	100	100	*	*
36.5N	*	*	*	*	*	*	20	10	*	*	*	Ō
35.5N	*	*	*	*	*	*	20	*	*	65	110	100
34.5N	*	*	*	*	*	0	40	70	50	100	110	110
33.5N	*	*	*	*	10	100	120	150	110	100	110	100
32.5N	*	*	*	25	35	100	200	150 100	110 90	08	80	70
31.5N	*	*	40	100	170	250	180 90	80	55	60	60	55
30.5N	*	*	20	100	190	100		50 50	50	50	50	50
29.5N	10	30	80 <b>40</b>	90 50	50 50	50 50	60 50	50 50	40	40	40	40
28.5N 27.5N	30	40	50	40	40	40	40	40	40	40	40	40
26.5N	20	30	50	40	40	40	30	30	30	30	40	40
25.5N	40	40	30	30	30	30	30	30	30	30	30	30
24.5N	30	30	30	20	20	20	30	30	30	30	30	30
23.5N	20	20	20	20	20	20	20	30	30	30	30	30
22.5N	20	20	20	20	20	20	20	20	20	20	35	30
21.5N	20	20	20	20	20	30	30	30	30	30	30	30
20.5N	30	20	20	20	20	30	30	30	30	30	30	30
19.5N	20	20	20	20	30	30	30	30	30	40	40	40
18.5N	20	20	20	20	30	30	30	30	30	40	40	40
17.5N	20	20	20	20	30	30	30	28	30	30	30	30
16.5N	20	20	20	20	20	30	30	30	30	25	30	30
15.5N	20	20	20	20	20	30	30	29	30	35	40	30
14.5N	20	20	20	20	20	30	30	30	34	30	30	30
13.5N	20	20	20	30	30	30	30	28	32	32	25	30
12.5N	40	40	30	40	30	40	40	40	30	26	23	23
11.5N	50	40	32	30	30	40	40	30	25	25	30	20
10.5N	50	48	40	45	30	40	40	30	20	20	20	20
9.5N	50	60	50	50	50	40	40	40	20	20	20	20
8.5N	30	50	50	<b>7</b> 0	40	30	30	30	30	20	20	20
7.5N	20	30	48	58	38	32	30	20	20	20	20	20
6.5N	*	10	20	20	20	20	20	20	20	20	32	25
5.5N	*	*	0	20	20	10	10	*	0	10	10	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3 • 5N	*	*	*	*	*	*	*	*	*	*	*	<b>x</b> *:
2 • 5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

348.5 349.5 350.5 351.5 352.5 353.5 354.5 355.5 356.5 357.5 358.5 359.5

							•				. 4	
0.55	*	*	*	*	*	*	*	*	*	*	*	*
1.55	*	*	*	*	*	*	*	*	*	*	*	*
2.58	*	*	*	*	*	*	*	*	*	*	*	*
3.55	*	*	*	*	*	*	*	*	*	*		
4.55	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5\$	*	*	*	*	*	*	* .	*	*	*	*	*
7.55	*	*	*	*	*	*	*	*	*	*	*	*
8.55	*	*	*	*	*	*	*	*	*	*	*	*
9.55	*	*	*	*	*	*	*	*	*	*	*	*
10.55	*	*	*	*	*	*	*	*	*	*	*	*
11.55	*	*	*	*	*	*	*	*	*	*	*	*
12.55	*	*	*	*	*	*	*	*	*	*	*	*
13.55	. *	*	*	*	*	*	*	*	*	* .	*	*
14.55	*	*	*	*	*	*	*	*	*	*	*	*
15.58	*	*	*	*	*	*	*	*	*	*	*	*
16.55	*	*	*	*	*	*	*	*	*	*	*	*
17.55	*	*	*	*	*	*	*	*	*	*	*	*
18.55	*	*	*	*	*	*	*	*	*	*	*	*
19.55	*	*	*	*	*	*	*	*	*	*	*	*
20.5\$	*	*	*	*	*	*	*	*	*	*	*	*
21.55	*	*	*	*	*	*	*	*	*	*	*	*
22.55	*	*	*	*	*	*	*	*	*	*	*	*
23.5\$	*	*	*	*	*	*	*	*	*	*	*	*
24.55	*	*	*	*	*	*	*	*	*	*	*	*
25.5\$	*	*	*	*	*	*	*	*	*	*	*	*
26.55	*	*	*	*	*	*	*	*	*	*	*	*
27.55	*	*	*	*	*	*	*	*	*	*	*	*
28.5\$	*	*	*	*	*	*	*	*	*	*	*	*
29.55	*	*	*	*	*	*	*	*	*	*	*	*
30.58	*	*	*	*	*	*	*	*	*	*	*	*
31.55	. *	*	*	*	*	*	*	*	*	*	*	*
32.5\$	*	*	*	*	*	*	*	*	*	*	*	*
33.55	*	*	*	*	*	*	*	*	*	*	*	*
34.55	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.55	*	*	*	*	*	*	*	*	*	*	*	*
37.55	*	*	*	*	*	*	*	*	*	*	*	*
38.55	*	*	*	*	*	*	*	*	*	*	*	<b>#</b>
39.58	*	*	*	*	*	*	*	*	*	*	*	*
40.55	*	*	*	*	*	*	*	*	*	*	*	*
41.55	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.55	*	*	*	*	*	*	*	*	*	*	*	*
44.55	*	*	*	*	*	*	*	*	*	*	*	*

348.5 349.5 350.5 351.5 352.5 353.5 354.5 355.5 356.5 357.5 358.5 359.5

45 50					-4-	.a.						
45.5S 46.5S	*	*	*	*	*	*	*	*	*	*	*	* *
47.55	*	*		*	*	*	*	*	*	*	*	*
48.55	*	*	*	*	*	. <b>*</b>	*	*	*	*	*	*
49.55	*	*	*	*	*	*	*	*	*	*	*	*
50.58	*	*	*	*	*	*	*	*	*	*	*	*
51.58	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53 <b>.</b> 5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.55	*	*	*	*	*	*	*	*	.*	*	*	*
56.55	*	*	*	*	*	*	*	*	*	*	*	*
57.58	*	*	*	*	*	*	*	*	*	*	*	*
58.58	*	*	*	*	*	*	*	*	*	*	*	*
59.58	*	*	*	*	*	*	*	*	*	*	*	*
60.58	*	*	*	*	*	*	*	*	*	*	*	*
61.58	*	*	*	*	*	*	*	*	*	*	*	*
62.55	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	. *	*	*	*	*	*	*	*	*	*
<b>65.5</b> \$	*	*	*	*	*	* .	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	. *	*	*	*
67.5S	苹	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.55	*	*	*	*	*	*	*	*	*	10	10	10
71.55	*	*	*	*	*	0	0	7	20	34	57	80
72.55	*	0	0	6	36	50	64	78	92	106	135	164
73.55	77	90	102	115	128	137	146	156	165	174	199	224
74.55	144	156	168	180	192	203	214	224	235	246	255	264
75.55	193	204	216	227	238	245	252	258	265	272	282	291
76.55	212	223	233	244	254	258	262	266	270	274	285	296
77.5S	228	237	245	254	262	264	267	269	272	274	285	<b>2</b> 96
78.55	235	242	248	255	262	264	267	269	272	274	283	292
79.55	235	242	248	255	262	264	267	269	272	274	281	288
80.55	177	187	198	208	218	228	239	247	252	258	264	269
81.5\$	200	207	213	220	226	233	240	245	250	255	259	264
82.55	200	206	213	219	226	232	239	244	248	251	255	259
83.5S	206	211	217	222	228	234	239	244	248	251	255	259
84.55	217	221	225	229	232	236	240	244	248	251	255	259
85.5S	223	226	229	232	235	238	240	243	246	249	252	255
86.55	233	236	238	241	244	247	250	252	254	256	258	259
87.5S 88.5S	248	250 260	252	254	255	257	259	260	261	262	263	264
89.5\$	260 270	260 270	260 270	261	261	261	261	261	262	263	264	265
07.73	210	210	270	270	270	270	270	2 <b>7</b> 0	270	270	270	270

#### REFERENCES

- Berkofsky, L., and E. A. Bertoni, "Mean Topographic Charts For the Entire Earth," Bull. Amer. Meteor. Soc., Vol. 36, 1955, pp. 350-353.
- Gates, W. L., and A. B. Nelson, A New Tabulation of the Scripps Topography on a 1° Global Grid. Part I: Terrain Heights, The Rand Corporation, R-1276-ARPA, November 1973.

- Gates, W. L., and A. B. Nelson, A New (Revised) Tabulation of the Scripps Topography on a 1° Global Grid. Part II: Ocean Depths, The Rand Corporation, R-1277-1-ARPA, September 1975.
- Smith, S. M., H. W. Menard, and G. Sharman, World-wide Ocean Depths and Continental Elevations Averaged for Areas Approximating One Degree Squares of Latitude and Longitude, Scripps Institution of Oceanography, SIO Reference 65-8, 1966.
- U.S. Army Topographic Command and U.S. Naval Oceanographic Office, The World Samesand Oceanographic Office, The